

The logo for nscA, featuring the lowercase letters "nscA" in a bold, sans-serif font, enclosed within a thin, light blue oval border.

MEMBERS HANDBOOK 1991

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national society for clean air
and environmental protection



MEMBERS HANDBOOK 1991

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**Printed on recycled paper
and published by
NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

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SECTION 1

**National Society for Clean Air
and Environmental Protection
Chairman's Report 1989-90
Accounts 1 April 1989
-31 March 1990**

NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

The Society's origins date back to the Coal Smoke Abatement Society (founded 1899); in the past decade it has considerably widened its interests and activities, and its work now covers the whole field of air pollution and the problem of noise and its control. The NSCA has national and international standing; its influence and operation embrace industry, local and central government and the general public. It is concerned both with long-term policy questions and urgent current problems. The NSCA is a Founder Member of the worldwide International Union of Air Pollution Prevention Associations (IUAPPA) and the official UK representative on the International Association Against Noise

THE NSCA's AIM is to secure environmental improvement through the reduction of air pollution, noise and other contaminants, while having due regard for other aspects of the environment. The NSCA advances the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention. The Society is funded by member's subscriptions, donations and monies raised by activities.

THE SOCIETY'S MEMBERSHIP includes private individuals, local authorities, universities and other educational establishments, corporate bodies representing learned and professional institutions, and the fuel industries, and other industrial companies.

PRINCIPAL ACTIVITIES include holding Conferences and Technical Training Workshops. Convening national and regional meetings and exhibitions. Making representations to government, other authorities and agencies and to industry, on all matters relating to air pollution, noise and environmental issues including: legislation drafting, statutory controls, standards, technical concerns, local and national issues.

PROVISION OF INFORMATION FOR ENVIRONMENTAL EDUCATION The NSCA promotes public education at all levels. The approach is to stimulate interest in the environment by providing information that is accessible, balanced and up to date. The Society has its own press and publishes books, reports, papers, conference and technical proceedings, a range of leaflets on different topics, *Pollution Handbook* and the journal *Clean Air* (quarterly). The Society operates an Information Service and Library which handles thousands of requests for information, references and publications every year.

ORGANISATION The elected Council is the Society's governing body. An administration staff headed by the Secretary General is employed at the Brighton Headquarters. The Society has 12 Divisions throughout the UK which arrange activities and meetings at regional level and consider issues from that perspective. The Divisions each elect their own Councils and Honorary Officers. Members and their representatives automatically become members of the appropriate Division(s).

POLICY DISCUSSION AND FORMULATION Policy discussion and formulation is initiated by NSCA Divisions and at the annual NSCA Conference as well as within the national Council. Policy details are evolved by the appropriate standing committee(s): Technical, Noise, and Parliamentary and Local Government; a Steering Committee reacts swiftly when urgent response is required. Policy is ratified by the Council.

CHAIRMAN'S REPORT

I - GENERAL

The Role of the Society

It is with great pleasure that I report on the work of the Society during our first year under our new name "The National Society for Clean Air and Environmental Protection", a change that has been widely welcomed within the Society. Not only have we maintained the high level of activity achieved in recent years, but have expanded successfully to embrace the subject of waste management as a major second step - noise in 1983 being the first - in projecting our new image. As the range of expertise within our Committees continues to widen, so will our activities.

Nevertheless, it has been an extraordinarily busy twelve months by any standard. The complacency generated by the success of the old *Clean Air Acts* having been finally routed, the Government embarked on a major programme of legislative reform, partly to bring us into line with our Community partners in Europe and partly in response to the process of consultation updating pollution legislation which started as long ago as 1986. However, what should have been straightforward has been confused by the lack of an overall environmental policy applicable to all Departments of Government; the situation has not been helped by the lack of a consistent policy on energy use, by the privatisation of the water industry and by the somewhat confusing run up to the privatisation of the electricity industry and, not least, by Treasury controls on the provision of resources. Thus the Environmental Protection Bill now before Parliament has proved to be largely an enabling measure - long on powers but short on means. Hopefully, all will become clear as the regulatory process takes over. In this regard, it is noteworthy that our Immediate Past President, Lord Nathan, recalling that sixteen years after the passing of the 1974 *Control of Pollution Act* much of it still has to be enforced, tabled an amendment in the Lords requiring that the Act should be implemented within twelve months of receiving Royal Assent. That was predictably rejected; we shall have our work cut out to ensure that the precedent set by the delay in implementing COPA is not repeated.

The Government does, however, deserve due credit for the satisfactory outcome of the London conference in May strengthening the Montreal Protocol on the control of CFCs and for acknowledging the need for international action on global warming. On the home front it has introduced a number of welcome new controls on such matters as agricultural burning and MOT testing for vehicle emissions. Not

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unexpectedly their original timetable for the completion of Integrated Pollution Control has slipped from 1994 to 1996 and, given the size of the task, even the latter date may be ambitious.

While we are pleased to see that Her Majesty's Inspectorate of Pollution is beginning to bed down following its major reorganisation, a number of concerns remain. First, that the disciplines underlying the control of air, water and waste are so fundamentally different from those for radioactive substances as to demand separate Chief Inspectors. Second, the reduction in the number of local offices must not be allowed to inhibit a quick reaction to incidents or diminish in any way essential co-operation with local authorities which is the bedrock of effective industrial pollution control. Finally, the Inspectorate is still understaffed and under-resourced; it is vital that more field inspectors of suitable grade be recruited to share the increasing workload which the new legislation demands.

Liaison with Other Bodies

As for our relationships with outside bodies, the Society continues to be widely represented on the Investigation of Air Pollution Standing Conference. We are represented on the Parliamentary and Scientific Committee and on the Environmental/Public Issues Panels of the National Radiological Protection Board and on the Radioactive Waste Management Advisory Committee. Our Secretary General continues to serve on the Executive of the Environment Council and represents the Society in the Energy Industries Club and the Industrial Fuel Economy Group. The Society is also a member of the UK Environmental Law Association.

IUAPPA

As you will know, the Society is a founder member of the International Union of Air Pollution Prevention Associations (IUAPPA), for which we also provide the secretariat and editorial and publishing support. As well as producing its quarterly newsletter, an expanded edition of its standard work "Clean Air Around The World" - which will cover the law and practice of air pollution control in twenty-six countries on five continents - is scheduled for 1991. Through its membership of the International Union of Technical Associations (UITA), the Union enjoys consultancy status with many United Nations organisations including the United Nations Environment Programme (UNEP), the UN Economic Commission for Europe (UN-ECE), the United Nations Industrial Development Organisation (UNIDO), the World Meteorological Organisation (WMO) and UNESCO. It also keeps in touch with the Commission of the European Community (CEC) and the Organisation for Economic Co-Operation and Development (OECD). The Society is represented on the IUAPPA Executive and the International Board by Mr. K.S. Dunn, a past Chairman of the Society. Our Secretary General, John Langston, was elected Director-General of the International Union in 1986 and continues to hold this honorary appointment. Our

own Editor, Loveday Murley, is Editor, IUAPPA.

While a primary objective of IUAPPA is to convene a World Congress on air quality every three years - the next being in Montreal in September 1992 - it has recently expanded its activities to meet the needs of the developing countries by sponsoring regional conferences specifically tailored to meet local needs. To this end, regional conferences are being organised for South Africa this October, and the West Pacific rim and Eastern Europe in 1991. I am delighted to report that NSCA members have undertaken to present papers at all three.

AICB

As the UK member of the Association Internationale Contre le Bruit (AICB) - the International Association Against Noise - the Society has been represented on its governing body for a number of years. We undertook to organise the 16th (bi-annual) Congress of the Association this June, with NSCA as the host organisation. Whilst the response to the call for papers was extremely satisfactory and a most promising three-day programme put together, the response internationally was potentially so poor as to put at risk the viability of the event. Regrettably, therefore, the AICB had no alternative but to cancel the conference. As one outcome, its West German member - an NGO with substantial government backing - has called a special meeting to consider the future of the Association.

The Divisions

A fundamental strength of the Society continues to be the activities of its regional Divisions which generate its drive and maintain its purpose. In this regard we are deeply indebted to the Honorary Secretaries without whose commitment and hard work they could not operate. While I took office with the best of intentions to visit all the Divisions during my year, I regret that business pressures denied me my full target. I am sure future Chairmen would welcome as much notice as possible of Divisional Meetings.

Nevertheless, I was delighted to be able to attend the meeting of the Scottish Division in February which signalled its re-emergence as a busy and effective Division meeting the needs of its members after a long period of quiescence. In particular, I would like to congratulate Brian Kelly, Director of Environmental Health, City of Glasgow, for his initiative in getting the Division going after a gap of nearly ten years, and the newly elected Honorary Secretary, Crawford Morgan, assisted by his Honorary Treasurer, Calum MacDonald, for their excellent organisation. Membership has shown a significant increase, doubtless helped by a vigorous programme of meetings and seminars tailored to meet Divisional needs.

Similarly, I would like to congratulate the Northern Ireland Division on its new programme, which opened with a public meeting on global warming at which our

President, Sir John Mason, presented the keynote address. Under their newly elected committee, Honorary Secretary, Gerry McCurdy is organising a series of seminars to meet the needs of the Province which, judging from initial attendance, promises continuing success. Two of the meetings I attended were held in University lecture theatres. I believe the occasional use of College premises in this way, particularly if there are environmental courses there, could help to bring the wide range of the activities to the attention of a younger age group.

If lack of space prevents me from covering the Welsh and English Divisions individually, I know that they will be equally as pleased as I am with the very satisfactory progress just reported.

The Standing Committees

The work of the Standing Committees and their specialist Working Groups is one of our major strengths and central to our reputation. We are indeed fortunate that such a wide cross-section of the nation's experts willingly volunteer their time and knowledge. The extent of their work may be gauged from the fact that in the course of the last year they have responded to no less than nineteen requests for consultation from Government, Parliamentary select committees and the Royal Commission. I would like to take this opportunity of thanking all members of Council and all members of Committees for attending the meetings and, not infrequently, taking the trouble to put their views on paper. And I know that all members of Council will wish me to make a particular point of thanking the co-opted members whose specialist advice is so crucial to policy making. Special votes of thanks are also due to those who serve on our Waste Disposal, Acid Rain, Climate Change and Neighbourhood Noise Working Groups.

While Part II of my Report covers the activities of the Technical, Parliamentary and Local Government and Noise Committees, as you will appreciate, the Conference and Promotions Committee and the Finance and Administration Committee have also been busy. By organising Conferences and Workshops and in formulating and implementing publications policy, the Conference and Promotions Committee is now responsible for generating almost 60 per cent of our gross revenue. The Finance and Administration Committee has been exercised by the continuing problems of budget and finance and administration. In the past year we have upgraded our computers and other office equipment which all contributes to our efficiency.

DOE Grant

The full impact of the Society's growth is also reflected by the scale of the annual budget which now exceeds £250,000. Under the careful stewardship of our Honorary Treasurer, Brian Edwick, and tight administrative control at Headquarters, the forecast budget deficiency was avoided and a small surplus achieved. However, as the balance sheet shows, without the Special Grant from the Department of the

Environment we would be quite unable to maintain our public information and library service at the level of demand now being placed upon it - amounting to some 10,000 requests annually. Thus we are indebted to the Department of the Environment for funding some 40 per cent of the cost of this service which, under the terms of the grant, should assure its continuance for the next two years.

Subscriptions Policy

Nevertheless, as you will see in the Memorandum accompanying this Report, unless we can bring subscriptions back into line with the level prevailing at the time of local government reorganisation, we shall be unable to maintain services to meet the current rate of demand. May I ask you therefore to read the Memorandum sympathetically and exercise your vote in accordance with the unanimous recommendations of the Divisions and National Council.

Personnel

We are extremely fortunate to have the services of a highly professional staff, all of whom are committed to its objectives and all of whom personally identify with the Society and its members. Their level of output and enhancement of the Society's image has continued to be outstanding. In thanking them for their support I am glad to add that there have been no major changes in staff during the year.

Presidential Matters

During this, his first year in office, our President, Sir John Mason, has been very active on our behalf both in public and behind the scenes. His knowledge of national and international developments is second to none: as well as addressing Divisional meetings, chairing sessions of Conference and contributing to policy formulation, we are most grateful to him for the way in which he presses our case at all levels.

We are equally fortunate in the standing of our Vice-Presidents. It is splendid to report that our distinguished former President, Professor David Williams, and Mr Madron Seligman, MEP have agreed to accept a further term of office. I am also delighted to announce that Dr Caroline Jackson, MEP for Wiltshire, Newbury and Wantage and an authority on European environment policy, has agreed to stand for election as a Vice-President thus adding importantly to our voice in Strasbourg.

II - ACTIVITIES

Noise

After years as an environmental "Cinderella", NSCA was pleased to see the DOE give a considerable boost to noise control matters. A DOE Working Group was established to review the whole range of noise legislation and NSCA played a

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prominent part in its deliberations, influencing both the current *Environmental Protection Bill* and the forthcoming White Paper on the Environment. The Working Party's full report is expected later this autumn. The NSCA report *Controlling Neighbour Noise*, published in March, provided an important contribution to discussions on the role of local authorities in this area.

NSCA's Noise Committee responded to a number of consultation papers and draft Codes of Practice relating to noise from railways, audible bird scarers, off-road motorcycle use and clay pigeon shooting. It was also gratifying to see proposals for amendments to the Building Regulations which incorporate improved sound insulation and, for the first time, standards for flat conversions - a matter on which the Society has long campaigned.

Many local authorities are preparing environmental policy reviews or 'Green Charters'. Most appear to ignore the question of noise. The Noise Committee therefore decided to prepare a briefing document suggesting the minimum requirements for a noise control policy for incorporation into local authority environmental policy statements.

Noise nuisance continued to be a matter of concern as part of a wider NSCA campaign to control 'nuisance' emissions from motor vehicles. A discussion paper on this issue was published in the summer edition of *Clean Air*. The Government's inconsistent approach to sound insulation against traffic noise was pursued through a series of parliamentary questions.

Parliamentary Work

The passage of the *Environmental Protection Bill* through Parliament, coupled with the preparation of the Government's White Paper on the Environment resulted in increasing demands from MPs and Peers for advice and briefings. As a non-political organisation NSCA is happy to give its views to politicians of all parties, and was successful in prompting a large number of parliamentary questions from all sides of the House. Several amendments proposed by the Society were debated during the Committee Stages of the *Environmental Protection Bill* and at least two are expected to reach the statute book. Special Briefing notes on matters of Society policy are now circulated to an increasing number of contacts on a regular basis.

Waste Disposal

Increasing concern about the environmental effects of waste incineration and landfill sites prompted the formation of a special NSCA working group on Waste Disposal. The group has already produced a general information leaflet entitled *Household Waste*, and is producing a more detailed technical report on the environmental impacts of waste incineration and landfilling. The Society also responded to the DOE consultation paper on the *Role & Function of Waste Disposal Authorities*.

Agricultural Burning

Last year saw a particularly bad 'burning season' - NSCA's monitoring showed that straw and stubble burning caused widespread nuisance in most arable areas. Following our campaign to ban the burn, three new factors came into play this year: firstly a promise from the Government to ban burning after 1992, now included in the *Environmental Protection Bill*; secondly a tougher code of practice on burning introduced this year by the National Farmers' Union; thirdly a recent ruling by the Department of the Environment that farmland should be considered as "trade or industrial premises" for the purposes of the *Clean Air Act 1968* means that any agricultural burning which produces dark smoke will also fall foul of s. 1 of this Act. NSCA was a major influence on all three of these developments.

Vehicle Emissions

Motor vehicles remain a major source of air pollution. Whilst the influence of catalytic converters will have some impact on air quality over the next decade, some issues of concern remain. EC proposals on vehicle emissions include proposals for controls on hydrocarbons or volatile organic compounds (VOCs) which evaporate from the fuel tank and fuel system. This will require the fitting of 'carbon canister' technology to cars. NSCA has campaigned for this technology to be mandatory and welcomes the EC proposals; the UK Government has yet to indicate whether it will support the more effective option of 'large' canisters, which also eliminate vapour emissions during refuelling operations. NSCA has also called for exhaust gas emission tests to be included in the annual MOT test, and was pleased to welcome proposals from the Department of Transport for such tests to be introduced from 1991.

Many people wish to take account of environmental factors when deciding on a new car, and the Society has received many enquiries about the competing 'green' claims of petrol and diesel vehicles. In order to answer the complex questions involved, NSCA commissioned the report *Clean Cars - How to Choose One*, setting out the facts about the various options. We are most grateful to British Telecom for funding this research.

With improved standards for new vehicles and annual MOT checks both on the horizon, one remaining problem is the control of nuisance emissions - particularly smoke and noise - from vehicles actually on the road. As noted above, the Society has published a discussion paper on this issue. We have also given evidence to the Royal Commission on Environmental Pollution on the question of emissions from diesel vehicles.

Pollution Control

The last year has seen some feverish activity at the DOE, with a wide range of proposals and discussion papers linked to the changes in the UK pollution control

framework. NSCA has submitted comments on the following: Cost Recovery Charging; the Large Combustion Plant Directive; Public Access to Information; the Draft Code of Practice on Duty of Care; draft Schedules of Prescribed Processes and Substances; proposals for Integrated Pollution Control in Scotland; Local Authority Process Guidance Notes. Comments were also submitted to DOE on Unauthorised Sale of Smokeless Fuels, Sulphur in Gas Oil Regulations and Environmental Labelling; to the Department of Transport on MOT Emission Tests and on changes in the Motor Vehicles Construction and Use Regulations; to the National Audit Office on the effectiveness of HMIP; to the Audit Commission on the role of Environmental Health Departments; and finally to the Commons Environment Select Committee on Indoor Air Pollution.

Library and Information Service

Once again the Society's Information Department has seen an increase in demand for services, with enquiries (some 10,000) rising 30 per cent in comparison with the previous year. Educational queries still make up the bulk of the workload, but an increasing proportion come from industry, environmental health departments and the media. The work of the Department is supported by a grant from the DOE.

Publications

The NSCA *Pollution Handbook* is fast becoming the standard work of reference on pollution legislation - published annually, it provides an up-to-date and comprehensive summary of UK pollution control legislation and practice on air, noise, waste and water. Despite an increased print run it has been necessary to reprint the 1990 edition in order to meet demand. The range of NSCA leaflets has been extended with the publication of *Household Waste* and a fourth teaching pack on the subject of the Greenhouse Effect is planned for the autumn. We are indebted to British Gas for sponsoring the latter. A general booklet on pollution for junior schools is in preparation. Two special reports - *Agricultural Burning 1989* and *Clean Cars - How to Choose One* - were also published.

Conferences and Meetings

An increasing number of organisations are now promoting meetings and conferences on environmental issues. NSCA, of course, has many years of experience in this field but the competition is growing. We must ensure that our events continue to be relevant, informative and good value for money. The 56th Clean Air Conference and Exhibition held in October 1989 in Scarborough, attracted an attendance of four hundred - a record in recent years. Delegates enjoyed a high standard of debate and discussion on a wide range of environmental issues. The 1990 Spring Workshop was held in Newcastle with the theme "Transport and the Local Environment", and benefitted both from a series of excellent presentations and from the involvement of

an informed and interested audience. Several of the NSCA Divisions also organised special meetings on environmental topics.

Publicity

Media interest in green issues shows little sign of abating. Once again NSCA has been busy briefing journalists on environmental issues and promoting Society policy through press releases and reports. The views of the Society have been sought on a wide range of issues, and we have been regularly and widely quoted in the press and on radio and television.

Concluding Remarks

I would like, on behalf of members of the Society, to thank the Secretary General, and all members of the staff in Brighton, for their tremendous efforts on our behalf during the year when the reputation of the Society has continued to grow. It has been a year when the mechanisms for ensuring environmental protections have been much discussed and no doubt the workload on the headquarters staff will be even greater next year as the outcome of the Government's deliberations and their implications become clear.

It has been a great honour and privilege to serve the Society. In particular I would mention our Secretary General John Langston who has done so much to enhance the stature of the Society, Past Chairmen Bill Snow, Ken Dunn and Len Poole, Deputy Chairmen Alan Rees and Jane Inglefield and of course our Honorary Treasurer Brian Edwick.

Alan Rees has served the Society faithfully for many years particularly in leading his colleagues as Chairman of the Society's Conference and Promotions Committee. I hand over to him knowing that he will undertake the task with the great ability and dedication he has already demonstrated within the Society. I wish him every success in his year of office.

F.E. Shephard
Chairman of Council

ACCOUNTS 1989 - 1990

THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION
(Company Limited by Guarantee - Incorporated 5th December 1957)

BALANCE SHEET**31st MARCH 1990**

	Notes	1990 £	1989 £
TANGIBLE FIXED ASSETS			
Office furniture & equipment	2 & 3		
Cost or valuation		35,978	32,490
Accumulated depreciation		<u>(28,238)</u>	<u>(27,315)</u>
		7,740	5,175
Library books at nominal value		<u>100</u>	<u>100</u>
		7,840	5,275
CURRENT ASSETS			
Sundry debtors		7,027	12,185
Prepayments		<u>3,012</u>	<u>1,525</u>
		10,039	13,710
Stock of publications	2	5,225	4,250
Quoted investments	4	38,798	36,956
Bank balances		117,316	118,980
Cash in hand		75	138
Funds held by divisions		<u>1,162</u>	<u>1,517</u>
		172,615	175,551
CREDITORS			
Amounts falling due within one year:			
Sundry creditors & accrued expenses		<u>(13,948)</u>	<u>(16,828)</u>
NET CURRENT ASSETS		<u>158,667</u>	<u>158,723</u>
TOTAL ASSETS LESS CURRENT LIABILITIES		<u>166,507</u>	<u>163,998</u>
GENERAL FUND			
Balance at start of year		110,420	97,146
Surplus for the year		2,509	8,607
Profit on disposal of quoted investments		-	4,667
Balance at end of year		<u>112,929</u>	<u>110,420</u>
PREMISES FUND			
		<u>53,578</u>	<u>53,578</u>
		<u>166,507</u>	<u>163,998</u>

The accounts were approved by the Council of the Society on 6th September 1990 and signed on its behalf by:

Air Commodore J. Langston — *Secretary General*
B.H. Edwick — *Honorary Treasurer*

The notes on page 15 form part of these accounts

THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

INCOME AND EXPENDITURE ACCOUNT

for the year ended 31st MARCH 1990

		1990		1989	
INCOME	Notes	£	£	£	£
Subscriptions and donations	2		64,831		61,382
Conference, Scarborough, October 1989			43,077		-
Conference, Llandudno, October 1988			-		35,379
Workshop, Oxford, April 1989			13,121		-
Workshop, Newcastle-upon-Tyne, March 1990			6,965		-
Sales of publications			44,459		50,063
Advertising Revenue: Clean Air		2,806		2,820	
Members' Handbook		<u>2,299</u>		<u>1,500</u>	
			5,105		4,320
Investment Income: Dividends		7,113		6,538	
Interest		<u>15,169</u>		<u>9,905</u>	
			22,282		16,443
Contributions from IUAPPA and CICIND			15,191		21,223
Grant from the Department of the Environment			35,000		33,150
Profit on Sale of Office Equipment			<u>440</u>		<u>-</u>
			250,471		221,960
EXPENDITURE					
Staff costs: Salaries and wages		90,710		80,501	
Social Security costs		<u>9,224</u>		<u>8,246</u>	
		99,934		88,747	
Other costs:					
Sub-contract labour		19,840		15,129	
Rent, rates, electricity and heat		11,859		7,080	
Insurance, travel, cleaning and general expenses		22,790		18,514	
Audit fee and financial advice		950		850	
Depreciation - office furniture and equipment	2 & 3	4,099		4,830	
Stationery and supplies		5,509		3,257	
Irrecoverable VAT input tax	6	<u>3,118</u>		<u>2,487</u>	
		<u>168,099</u>		<u>140,894</u>	
Clean Air and Members' Handbook		12,695		10,378	
Information and Publicity Services		8,690		6,771	
Research Grants		775		350	
Cost of publications		18,195		25,150	
Divisional expenses		2,631		1,645	
90th Birthday Reception, May 1989		<u>3,222</u>		<u>-</u>	
		<u>46,208</u>		<u>44,294</u>	
Conference, Scarborough, October 1989		18,186		-	
Conference, Llandudno, October 1988		-		13,076	
Workshop, Oxford, March 1988		-		89	
Workshop, Oxford, April 1989		8,760		-	
Workshop, Newcastle-upon-Tyne, March 1990		<u>6,709</u>		<u>-</u>	
		<u>33,655</u>		<u>13,165</u>	
			(247,962)		(198,353)
Surplus for the year			2,509		23,607
Transfer to Premises Fund			-		(15,000)
Transfer to General Fund			<u>£2,509</u>		<u>£8,607</u>

The notes on page 15 form part of these accounts

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THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION STATEMENT OF SOURCE & APPLICATION OF FUNDS for the year ended 31st MARCH 1990

	1990 £	1989 £
SOURCE OF FUNDS		
Surplus for the Year	2,509	23,607
Adjustment for item not involving the movement of funds:		
Depreciation	<u>4,099</u>	<u>4,830</u>
	6,608	28,437
Profit on disposal of quoted investments	-	<u>4,667</u>
	<u>£6,608</u>	<u>£33,104</u>
 APPLICATION OF FUNDS		
Purchase of tangible fixed assets	6,664	3,622
Change in net current assets:		
(Decrease) increase in debtors and prepayments	(3,671)	7,812
Increase in stock of publications	975	1,170
Increase in quoted investments	1,842	4,504
(Decrease) increase in funds held by divisions	(355)	180
Decrease in creditors and accruals	2,880	1,151
(Decrease) increase in bank and cash balances	<u>(1,727)</u>	<u>14,665</u>
TOTAL FUNDS APPLIED	<u>£6,608</u>	<u>£33,104</u>

The notes on page 15 form part of these accounts.

REPORT OF THE AUDITORS TO THE MEMBERS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

We have audited the financial statements set out on pages 12 to 15 in accordance with approved Auditing Standards.

In our opinion the financial statements give a true and fair view of the state of affairs of the Society at 31st March 1990 and of its surplus of income over expenditure and source and application of funds for the year ended on that date, and have been prepared in accordance with the requirements of the Companies Act 1985.

GEO. LITTLE, SEBIRE & CO.
Chartered Accountants

The Grove
Pipers Lane
Harpenden
Herts AL5 1AH

6th September 1990

THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

NOTES TO THE ACCOUNTS

for the year ended 31st MARCH 1990

1. LIABILITY OF MEMBERS

In accordance with clause 8 of the Memorandum of Association every member of the Society undertakes to contribute, in the event of the Society being wound up, such amount as may be required not exceeding 25 pence each.

2. ACCOUNTING POLICIES

(a) Basis of accounting

The accounts are prepared in accordance with the historical cost convention.

(b) Subscriptions

Subscriptions are taken to revenue when received except subscriptions in advance which are carried forward until the period to which they relate.

(c) Depreciation of tangible fixed assets

The cost of items of office furniture and equipment is written off by equal annual instalments over five years except electronic equipment which is written off over three years.

(d) Stock of publications

Stock of publications are included at the lower of the Secretary General's valuation and net realisable value.

3. OFFICE FURNITURE AND EQUIPMENT

	Cost or valuation £	Accumulated depreciation £
At 1.4.1989	32,490	27,315
Additions	6,664	4,099
Disposals	<u>(3,176)</u>	<u>(3,176)</u>
At 31.3.1990	<u>35,978</u>	<u>28,238</u>

Records are not available which show the original cost of items of furniture and equipment which were valued by the Secretary General as at 1.4.1972 at £1,910 and were included in the accounts at this figure, which is now fully depreciated. Subsequent additions, for which records are available, are included at cost.

4. QUOTED INVESTMENTS

Cost Market value

	1990 £	1989 £	1990 £	1989 £
Fixed interest	8,172	13,259	8,056	13,774
Ordinary shares	<u>30,626</u>	<u>23,697</u>	<u>108,919</u>	<u>100,330</u>
	<u>38,798</u>	<u>36,956</u>	<u>116,975</u>	<u>114,104</u>

5. GRANT FROM THE DEPARTMENT OF THE ENVIRONMENT

For the period 1989/90 the Society received a special grant from the Department of the Environment towards the cost of producing educational and teaching materials, undertaking research and running an advisory and information service on air pollution and noise.

6. IRRECOVERABLE VAT INPUT TAX

The Society has been advised that it can only recover part of the VAT input tax paid. The charge of £3,118 is the amount of irrecoverable VAT written off in 1989/90.

7. TAXATION

As a registered charity the Society is not liable to tax on its income.

NSCA LEAFLETS

A selection of explanatory leaflets on topical subjects
Sample copies available on request

ACID RAIN

AIR POLLUTION KNOW YOUR RIGHTS

ASBESTOS

GREENHOUSE EFFECT

HOUSEHOLD WASTE

INDOOR AIR POLLUTION

LEAD AND YOU

MOTOR VEHICLE POLLUTION

NOISE POLLUTION

RADIATION AND YOU

£4.65 per 100 or £29.65 per 1000
Special discount for 5000 or more - 10%

National Society for Clean Air and Environmental Protection
136 North Street - Brighton BN1 1RG

Telephone: Brighton (0273) 26313 Fax: Brighton (0273) 735802

SECTION 2

**Memorandum of Association
Articles of Association
Bye-Laws**

MEMORANDUM & ARTICLES OF ASSOCIATION AND BYE-LAWS

THE COMPANIES ACTS, 1948 TO 1981 COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL MEMORANDUM OF ASSOCIATION OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions on 5 October 1981 and 23 October 1989

1. The name of the company (hereinafter called "the Society") is "The National Society for Clean Air and Environmental Protection".
- 2 The registered office of the Society will be situate in England.
- 3(1) The object for which the Society is established is to seek the improvement of the environment by promoting clean air through the reduction of air pollution, noise and other atmospheric contaminants having regard for the implications for other aspects of the environment.
- (2) (A) To initiate, assist, promote and encourage the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention, and to undertake, or support or aid the undertaking of, investigations and research relevant to the causes and effects of pollution and the means to prevent it and to publish the results of such research.
(B) To promote public education in all matters relating to the value and importance of clean air and methods and consequences of air pollution control and forms of pollution control by arranging meetings, publications, exhibitions, the delivery of lectures and addresses, the display of pictures, cinematograph films and models and by other means.
(C) To encourage the adoption of methods to reduce and prevent pollution.
(D) To promote, assist, support, or oppose, as may be consistent with the objects for which the Society is established, any administrative or other measures or proposed measures affecting pollution.
(E) To initiate, support and co-operate with others in proposals and activities calculated to assist the promotion of the Society's objects.
(F) To establish, and support or aid in the establishment and support of any charitable association or institutions and to subscribe or guarantee money for charitable purposes in any way connected with the Society's purposes or calculated to further its objects.
(G) To purchase, take on lease or in exchange, hire or otherwise acquire any real or personal property and any rights or privileges which the Society may think necessary or convenient for the promotion of its objects, and to construct, maintain and alter any buildings or erections necessary or convenient for the work of the Society.
(H) To sell, let, mortgage, dispose of or turn to account all or any of the property or assets of the Society as may be thought expedient with a view to the promotion of its objects.
(I) To undertake and execute any trusts which may lawfully be undertaken by the Society and may be conducive to its objects.
(J) To borrow or raise money for the purposes of the Society and subject to this Memorandum of Association on such terms and on such security as may be thought fit.
(K) To invest the moneys of the Society not immediately required for its purposes in or upon such

investments, securities or property as may be thought fit, but so that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners for England and Wales shall only be invested in such securities and with such sanction (if any) as may for the time being be prescribed by law.

(L) If and when considered advisable, to take all such measures as may be necessary to convert the Society into a body specially incorporated by Royal Charter or otherwise, or to secure the creation of a new body so incorporated with the object of carrying out the purposes of the Society and continuing the work thereof.

(M) To take all such other steps as will further the attainment of the above objects or any of them.

PROVIDED FIRST that, notwithstanding anything contained in the preceding paragraphs of this Clause, the objects of the Society shall be restricted to such only of the objects aforesaid as are according to the law of England exclusively charitable.

PROVIDED SECONDLY that the Society's objects shall not extend to regulation of relations between workers and employers or organisations of workers and organisations of employers.

PROVIDED THIRDLY that in case the Society shall take or hold any property subject to the jurisdiction of the Charity Commissioners for England and Wales or the Secretary of State for Education and Science, the Society shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law and as regards any such property the Council of the Society (hereinafter called "the Council") shall be chargeable for any such property that may come into their hands and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as the Council would have been if no incorporation had been effected, and the incorporation of the Society shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Secretary of State for Education and Science over the Council but they shall as regards any such property be subject jointly and severally to such control or authority as if the Society were not incorporated. In case the Society shall take or hold any property which may be subject to any trusts, the Society shall only deal with the same in such manner as allowed by law, having regard to such trusts.

4. The income and property of the Society, whencesoever derived, shall be applied solely towards the promotion of the objects of the Society as set forth in this Memorandum of Association and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend bonus or otherwise howsoever by way of profit, to the members of the Society.

PROVIDED that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration and pension to any officer or servant of the Society in return for any services actually rendered to the Society, nor prevent the payment of interest at a rate of 6% per annum on money lent or reasonable and proper rent for premises demised or let by any member to the Society nor prevent the gratuitous distribution among, or sale at a discount to, subscribers to the funds of the Society of any books or other publications, whether published by the Society or otherwise, relating to all or any of the Society's objects above set forth; but so that no member of the Council shall be appointed to any salaried office of the Society or any office of the Society paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Society to any member of the Council, except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Society; provided that the provision last aforesaid shall not apply to any payment to any company of which a member of the Council may be a member, and in which such member shall not hold more than one hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the provisions of the Memorandum or Articles of Association of the Society for the time being in force unless the same shall have been previously submitted to and approved by the Department of Trade.
6. The fourth and fifth paragraphs of the Memorandum of Association contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of section 19(1) of the Companies Act 1948.
7. The liability of the members is limited.
8. Every member of the Society undertakes to contribute to the assets of the Society, in the event of the same being wound up while he is a member, or within one year after he ceases to be a member, for

payment of the debts and liabilities of the Society contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required not exceeding 5s (25p).

9. If upon the winding up or dissolution of the Society there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the members of the Society, but shall be given or transferred to some other charitable institution or institutions having objects similar to the objects of the Society, and which shall prohibit the distribution of its or their income and property among its or their members to an extent at least as great as is imposed on the Society at or before the time of dissolution, and if and so far as effect cannot be given to such provision, then to some charitable object.

ARTICLES OF ASSOCIATION OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions on 5 October 1981, 1 October 1984 and 27 October 1986.

DEFINITIONS

1. In these presents the words standing in the first column of the Table below shall bear the meaning set opposite to them respectively in the second column thereof, if not inconsistent with the subject or context:

Words	Meaning
The Act of 1948	The Companies Act, 1948.
The Act of 1967	The Companies Act, 1967.
The Acts	The Companies Act, 1948 and the Companies Act, 1967.
The Bye Laws	The Bye Laws of the Society from time to time in force.
These presents	These Articles of Association.
The Society	The above named Society.
The Council	The Council for the time being of the Society.
The Office	The registered office of the Society.
The Seal	The common seal of the Society.
The United Kingdom	Great Britain and Northern Ireland.
Month	Calendar month.
In writing	Written printed or lithographed, or partly one and partly another, and other modes of representing or reproducing words in a visible form.
The Secretary General	The Secretary for the time being or any person appointed to perform the duties of Secretary of the Society, in accordance with the Acts.
Representative of a member	A Representative of a Local Authority or Corporate Member appointed under article (4d) or (e), and whose appointment has been duly notified to the Secretary General.
Delegate	A Representative of a Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member to represent its local interests in the particular Division in which its Branch or Section is situated.

And words importing the singular number only shall include the plural number, and vice versa. Words importing the masculine gender only shall include the feminine gender and vice versa and words importing persons shall include corporations.

Subject as aforesaid, any words or expressions defined in the Acts or any statutory modification thereof in force at the date on which these presents become the binding on the Society shall, if not inconsistent with the subject or context, bear the same meanings in these presents.

MEMBERSHIP

2. The number of members with which the Society is registered is unlimited.

3. The provisions of section 110 of the Act of 1948 shall be observed by the Society and every member of the Society, other than Honorary Members, shall either make a written request to become a member (which request may be included in his application for membership made in accordance with Article 4 (i) of these presents) or sign a written consent to become a member or sign the register of members on becoming a

member.

4. (a) The members of the Society shall be the persons who are Members of the Society and such other persons as the Council shall from time to time elect or recommend to the Society for election.

(b) The Society shall consist of a President, Vice-Presidents, Secretary General, Honorary Members, Individual Members, Local Authority Members, Corporate Members and Student Members. The Society may also have a Patron or Patrons as hereinafter mentioned.

Classes of Membership:

Individual Members

- (c) (i) Any Individual who supports the objects of the Society shall be eligible for admission as an Individual Member
- (ii) On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be earlier, Individual Members may, at the discretion of the Council, retain their membership as Individual Members of the Society on payment of a fixed sum as prescribed in the Bye-Laws of the Society.

Local Authority Members

- (d) (i) Any Local Authority supporting the objects of the Society shall be eligible for admission as a Local Authority Member. A Local Authority Member shall be entitled from time to time to appoint, and to revoke the appointment of not more than five Representatives. Each of the Representatives of a Local Authority Member shall be entitled to exercise on its behalf the same rights as an Individual Member and (if not himself an Individual Member) shall, by virtue of his appointment to any office of the Society or to membership of the Council.
- (ii) For the purpose of this Article, the designation *Local Authority* shall be deemed to include *Health Authorities* and *Water Authorities* or such other like authorities as the Council shall from time to time admit for membership.

Corporate Members

- (e) (i) Any Society, Institution, Company, Association, Board or Group or educational establishment being in every case an incorporated body supporting the objects of the Society shall be eligible for admission as a Corporate Member. A Corporate Member shall be entitled to appoint Representatives according to subscription as set out in the Bye-Laws, and any such Representatives shall be entitled to exercise on its behalf the same rights as an Individual Member, and (if not himself an Individual Member) shall, by virtue of his appointment as such Representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- (ii) An unincorporated body (including a firm) may not as such become a member of the Society, but if it desires to obtain the advantages of membership it may nominate Representatives (determined according to subscription as aforesaid) to apply in its name for membership and exercise the rights of membership on its behalf. Every person so applying for membership shall be subject to the same rules and regulations as to admission and otherwise as any person not so nominated, and shall if admitted have the same rights and be subject to the same liabilities and incidents as any Individual Member except that (i) such persons shall be liable to pay such annual subscription as is appropriate to a Corporate Member (ii) if his nomination is revoked by such body he shall cease to be a member. References in these presents or in the Bye-Laws to Corporate members shall as far as the context admits include references to unincorporated bodies having nominated representative members provided always that no such body shall as such have any rights of voting or otherwise or be deemed for any purpose to be a member of the Society.

Sustaining Members

- (f) Any member who subscribes not less than the sum prescribed in the Bye-Laws for this class of membership shall be eligible for admission as a sustaining Member.

Honorary Members

- (g) Individuals who have rendered outstanding service in promoting the objects of the Society shall be eligible for admission as Honorary Members and such persons, being duly admitted shall enjoy all the privileges of membership (including the right to vote) except that they shall not by virtue of their Honorary Membership alone be deemed to be members of the Society for the purpose of registering within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

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Student Members

- (h) Any bona fide non-graduate student pursuing a course of study at school, college or university shall be eligible for admission as a Student Member on payment of the subscription prescribed in the Bye-Laws.

Application for Membership

- (i) Every person wishing to join the Society and eligible for election as a Member, must apply in writing and shall deposit with such application the first annual subscription which shall be returned in the event of non-election.

Resignation of Members

- (j) (i) Every member duly elected shall continue as such until he shall resign by notice in writing, to the Secretary General, such notice being accompanied by any monies due to the Society.
- (ii) The Council shall have the power to remove any member:
 - (a) whose annual subscription has remained unpaid for two successive years, or
 - (b) who, in the opinion of the Council has acted in a manner prejudicial to the interests and objects of the Society or has behaved in such a manner as to render his further membership detrimental to the interests of the Society, or
 - (c) at its sole discretion without assigning any reason therefore.Provided that in every case the Member concerned shall have the opportunity to make representations defending his conduct in writing to the Council.

Annual Subscriptions

- (k) The Council shall make Bye-Laws from time to time to fix annual subscriptions payable by the various classes of Members. The Bye-Laws shall be confirmed by the Society in General Meeting.

ANNUAL GENERAL MEETING

5. The Society shall hold a General Meeting in every calendar year as its Annual General Meeting at such time and place as may be determined by the Council, and shall specify the Meetings as such in the notices calling it, provided that every Annual General Meeting shall be held not more than fifteen months after the holding of the last preceding Annual General Meeting.

EXTRAORDINARY GENERAL MEETING

6. All General Meetings, other than Annual General Meetings, shall be called Extraordinary General Meetings.

7. The Council may whenever they think fit convene an Extraordinary General Meeting, and Extraordinary Meetings shall also be convened on such requisition, or in default may be convened by such requisitions, as provided by section 132 of the Act of 1948.

NOTICE OF MEETINGS

8. Twenty-one days' notice in writing at least of every Annual General Meeting and of every Meeting convened to pass a Special Resolution, and fourteen days' notice in writing at the least of every other General Meeting (exclusive in every case both of the day on which it is served or deemed to be served and of the day for which it is given), specifying the place, the day and the hour of meeting, and in the case of business other than routine business the general nature of that business, shall be given in manner hereinafter mentioned to such persons (including the Auditors) as are under these presents or under the Act entitled to receive such notices from the Society; but with the consent of all the members having the right to attend and vote thereat, or of such proportion of them as is prescribed by the Act in the case of meetings other than Annual General Meetings, a meeting may be convened by such notice as those members may think fit.

9. The accidental omissions to give notice of a meeting to, or the non-receipt of such notice by, any person entitled to receive notice thereof shall not invalidate the proceedings at such meetings.

PROCEEDINGS AT GENERAL MEETINGS

10. Routine business shall mean and include only business transacted at an Annual General Meeting of the following classes, that is to say:

(a) Reading and considering the accounts and balance sheet and the annual reports of the Council and the Auditors.

(b) Appointing Auditors and fixing their remuneration.

(c) Receiving the results of the elections of the Council and other Officers.

11. No business shall be transacted at any General Meeting unless a quorum is present when the meeting proceeds to business. Save as herein otherwise provided ten members or Representatives of members personally present shall be a quorum.

12. If within half an hour from the time appointed for the holding of a General Meeting a quorum is not present, the meeting, if convened on the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, or at such other place as the Council may determine, and if at such adjourned meeting a quorum is not present within half an hour from the time appointed for holding the meeting the members present shall be a quorum.

13. The Chairman (if any) of the Council shall preside as Chairman at every General Meeting, but if there be no such Chairman, or if at any meeting he shall not be present within fifteen minutes after the time appointed for holding the same, or shall be unwilling to preside, the members present shall choose one of the Deputy Chairmen or some other member of the Council, or if no such member be present, or if all the members of the Council present decline to take the chair, they shall choose some member or Representative of a Member of the Society who shall be present to preside.

14. The Chairman may, with the consent of any meeting at which a quorum is present (and shall if so directed by the meeting) adjourn the meeting from time to time, and from place to place, but no business shall be transacted at any adjourned meeting other than business which might have been transacted at the meeting from which the adjournment took place. Whenever a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given in the same manner as of an original meeting. Save as aforesaid, the members shall not be entitled to any notice of an adjournment, or of the business to be transacted at an adjourned meeting.

15. At any General Meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless a poll is, before or upon the declaration of the result of the show of hands, demanded by the Chairman or by at least five members or Representatives of members present in person or by proxy, or by members or Representatives of members present in person or by proxy and representing not less than one-tenth of the total voting rights of all the members and representatives of members having the right to vote at the meeting, and unless a poll be so demanded a declaration by the Chairman of the meeting that a resolution has been carried, or carried unanimously or by a particular majority or lost, or not carried by a particular majority, and an entry to that effect in the minute book of the Society shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against that resolution. The demand for a poll may be withdrawn.

16. Subject to the provisions of Article 17, if a poll be demanded in manner aforesaid, it shall be taken at such time and place, and in such manner, as the Chairman of the meeting shall direct, and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.

17. No poll shall be demanded on the election of a Chairman of a meeting or on any question of adjournment.

18. In the case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting shall be entitled to a second or casting vote.

19. The demand of a poll shall not prevent the continuance of a meeting for the transaction of any business other than the question on which a poll has been demanded.

VOTES OF MEMBERS

20. Subject as hereinafter provided, every member shall have one vote. A Local Authority Member or Corporate Member shall have one vote for each of its Representatives which shall be exercisable by such Representatives in person.

21. Except in accordance with Articles 4(g) and 29, and unless the Council otherwise determine, no member other than a member duly registered, who shall have paid every subscription and other sum (if any) which shall be due and payable to the Society, in respect of his membership, shall be entitled to vote on any question either personally through its Representatives or by proxy, or as a proxy for another member at any General Meeting.

22. (a) Votes may be given on a poll either personally or by proxy. A proxy need not be a member.

(b) The instrument appointing a proxy shall be in writing under the hand of the appointer, or his

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attorney duly authorised in writing, or if such appointer is a corporation under its common seal, if any, and if none, then under the hand of some officer duly authorised in that behalf. In the case of a Representative of a member any proxy shall be appointed by the member itself or its attorney and not by the Representative.

(c) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarially certified or office copy thereof shall be deposited at the office not less than 48 hours before the time appointed for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of 12 months from the date of its execution.

(d) A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, provided that no intimation in writing of the death, insanity or revocation as aforesaid shall have been received at the office before the commencement of the meeting or adjourned meeting at which the proxy is used.

(e) An instrument appointing a proxy shall be in the common form or in such other form as the Council may accept, and shall be deemed to confer authority to demand or join in demanding a poll.

HONORARY OFFICERS

23. The officers of the Society shall consist of a President, Honorary Treasurer, Chairman and two Deputy Chairmen of the Council, the Immediate Past Chairman of the Council and may also include a Patron or Patrons as hereinafter mentioned.

PATRON

24. The Council may accept the patronage of any person or persons and shall thereupon elect such person or persons to be the Patron or Patrons of the Society for life or for such period as the Council may determine.

PRESIDENT

25. The President shall be elected annually by the Society under the Bye-Laws. No person shall hold the office of President for more than two years in succession.

HONORARY TREASURER

26. The Honorary Treasurer shall be elected annually by the Society under the Bye-Laws. The Honorary Treasurer shall be responsible for the uninvested funds of the Society and he shall cause all necessary and proper accounts to be kept in accordance with Article 47 hereof.

VICE-PRESIDENTS

27. (a) Any person may be elected by the Society as a Vice-President providing that he or she is a person of distinction in an appropriate field who is likely to promote actively the work of the Society.
(b) Vice-Presidents shall normally be elected for a term of three years and may stand for re-election.
(c) Vice-Presidents shall not exceed nine in number.

CHAIRMAN AND DEPUTY CHAIRMEN

28. The Chairman and Deputy Chairmen shall be elected annually by the Council from its own members at its first meeting after the Annual General Meeting.

29. The Patron or Patrons (if any) of the Society, the President of the Society, and the Vice-Presidents shall enjoy all the rights of membership (including the right to vote) during their term of office except that they shall not by virtue of their office alone be deemed to be members of the Society for the purposes of registration within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

THE COUNCIL

30. Subject as hereinafter provided, the members of Council shall not be less than 20 in number. The Society may, by Ordinary Resolution from time to time, increase or reduce the minimum number of members of the Council. The Council may act notwithstanding any vacancies in their body, but if the members of the Council shall be reduced in number to less than that required for a quorum for their meetings, they may act as

the Council for the purpose only of summoning a general meeting of the Society.

31. The Council shall consist of the Patron or Patrons (if any), the President, the immediate Past President, the Honorary Treasurer, the immediate past Chairman, a number of divisional Representatives elected as hereinafter provided; and not more than a like number of other persons consisting of Representatives of National or similar organisations which are Corporate Members of the Society, at the invitation of the Council. No person other than a member of the Society or a Representative of a member may be appointed a member of the Council. The Council may from time to time and at any time appoint any member of the Society or a Representative of a member as a member of the Council either to fill a casual vacancy or by way of addition to the Council. Any member so appointed shall retain his office only until the next Annual General Meeting, but he shall be eligible for re-election or re-appointment.

The term *National or similar organisation* shall refer to any institution, association, society or board or other similar organisation, the activities of which extend to the whole of the United Kingdom, or to England, Scotland, Wales or Northern Ireland, and which is accepted by the Council as a National or similar organisation for the purposes of these presents.

APPOINTMENT AND RETIREMENT OF MEMBERS OF THE COUNCIL

32. (a) The members and Representatives of members of each Division shall elect annually from among their number Representatives to be members of the Council. Divisional Representatives shall be elected to the Council for a period of three years. One-third of the elected members shall retire in rotation each year; such members shall be eligible for re-election. The number of Divisional Representatives to be elected by each Division shall each year be determined by the Council.

(b) A National or similar organisation shall be entitled to nominate annually one Representative for Membership of the Council under Article 31.

(c) The elected members of the Council shall (unless re-elected) vacate office after three years in accordance with the provisions of Article 32 (a).

33. The Office of a member of the Council shall be vacated:

- (a) If he ceased to be a member or a Representative of a member of the Society;
- (b) If by notice in writing to the Society he resigns his office;
- (c) If a receiving order is made against him or he makes any arrangement or composition with his creditors;
- (d) If he becomes of unsound mind;
- (e) If he ceases to hold office by reason of any order made under Section 188 of the Act of 1948;
- (f) If he is removed from office by a Resolution duly passed pursuant to Section 184 of the Act.

34. A member of the Council who has attained the age of seventy shall be eligible for election and the provision of subsections (1) and (2) of Section 185 of the Act of 1948 shall not apply.

POWERS OF THE COUNCIL

35. The Management of the Society shall be in the hands of the Council who may pay all expenses incurred in forming and registering the Society and may exercise all such powers of the Society as are not by the Act of 1948 or by these presents required to be exercised by the Society in General Meeting, subject nevertheless to any regulations of these presents, to the provisions of the Act of 1948, and to such regulations (not inconsistent with the aforesaid regulations or provisions) as may be prescribed by the Society in General Meeting, but no regulations so made by the Society shall invalidate any prior act of the Council which would have been valid if such regulations had not been made. The general powers given by this Article shall not be limited or restricted by any special authority or power given to the Council by any other Article.

36. (i) The Council shall, as necessary, make and recommend the adoption, alteration and revocation of the Bye-Laws for the regulation of the Society and otherwise for the furtherance of the purposes for which the Society is established, provided that the Bye-Laws are not repugnant to the Memorandum of Association or these presents. Such recommendations of the Council shall be laid before the Society at the following Annual General Meeting or at an Extraordinary General Meeting called for that purpose for adoption, if thought fit, by Ordinary Resolution. The Bye-Laws for the time being in force shall be binding upon all members until varied or set aside as hereinafter provided. It is expressly declared that, without prejudice to the powers of the Society to adopt Bye-Laws on other matters, the following shall be deemed to be matters which (so far as not governed by, and subject always to the provisions of, these presents) may be governed by Bye-Laws within the meaning of this article, that is to say:

- (a) As to entrance fees (if any) payable in respect of membership of the Society.

(b) As to the annual, quarterly or other subscriptions or payments to be payable by the members of the Society.

(c) As to the rights and privileges to be accorded to, and the qualifications, restrictions and conditions to be imposed on, members of the Society.

(d) As to Committees of members in connection with various branches of the Society's activities, and as to the appointment, removal, qualification, disqualification, duties, functions, powers and privileges of members of such Committees.

(e) As to the manner in which the Elections of Officers and Council members shall be conducted.

(f) As to the Geographical Divisions of the Society for electoral purposes, and the setting up and regulation of Divisional Councils and their membership, duties, functions and powers.

(ii) The Council shall have power to issue Standing Orders from time to time regulating the appointment of various committees from members of the Society or otherwise as provided herein for the better administration of the business of the Council and directing the terms of reference of such committees and the procedure governing the transaction of their business.

(iii) Any committee appointed in accordance with this article shall have power to adopt persons to act as members of the committee whose qualifications or experience will assist the committee in its work, but the number of persons so adopted shall not exceed one-third of the membership of the committee excluding adopted members.

SECRETARY GENERAL

37 (i) The Secretary General shall be appointed by the Council for such time at such remuneration and upon such conditions as they think fit, and any person so appointed may be removed by them. The provisions of Section 177 and 179 of the Act of 1948 shall apply and be observed.

(ii) The Secretary General shall from time to time submit financial statements at the request of the Council. It shall be his duty, under the direction of the Council to conduct the correspondence of the Society, to attend meetings of the Council and Committees thereof, to take minutes of the proceedings of such meetings, to superintend the publication of such papers as the Council may direct, engage and be responsible for all persons employed under him, and, in general, conduct the ordinary business of the Society in accordance with the Memorandum and Articles of Association.

(iii) The Council may from time to time by resolution appoint an assistant or deputy Secretary General, and any person so appointed may act in place of the Secretary General if there be no Secretary General or no Secretary General capable of acting.

THE SEAL

38. The Council shall provide a Common Seal of the Society and make rules for the safe custody and use thereof, and it shall only be used by the Authority of the Council previously given and in the presence of one member of the Council at least, and every such instrument shall be countersigned by the Secretary General or some other person duly authorised by the Council.

PROCEEDINGS OF THE COUNCIL

39. The Council may meet together for the dispatch of business, adjourn and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business. Unless otherwise determined, ten shall be a quorum. Questions arising at any meetings shall be decided by a majority of votes. In cases of an equality of votes the Chairman shall have a second or casting vote.

40. Five members of the Council may, and on the request of five members of the Council the Secretary General shall, at any time, summon a meeting of the Council by notice served upon the several members of the Council. A member of the Council who is absent from the United Kingdom shall not be entitled to notice of a meeting.

41. The Chairman shall be entitled to preside at all meetings of the Council at which he shall be present, but if no such Chairman be elected, or if at any meeting the Chairman be not present within five minutes after the time appointed for holding the meeting and willing to preside, the members of the Council present shall choose one of the Deputy Chairmen and failing them one other of their number to be Chairman of the Meeting.

42. A meeting of the Council at which a quorum is present shall be competent to exercise all the authorities, powers and discretions by or under the regulations of the Society for the time being vested in the Council generally.

43. The Council may delegate any of their powers to Committees consisting of such member or members

of the Council as they think fit, and any Committee so formed shall, in the exercise of the power so delegated, conform to any regulations imposed on it by the Council. The meetings and proceedings of any such Committee shall be governed by the provisions of these presents for regulating the meetings and proceedings of the Council so far as applicable and so far as the same shall not be superseded by any Bye-Laws made by the Council.

44. All acts bona fide done by any meeting of the Council or any Committee of the Council, or by any person acting as a member of the Council, shall notwithstanding it be afterwards discovered that there was some defect in the appointment or continuance in office of any such member or person acting as aforesaid, or that they or any of them were disqualified, be as valid as if every such person had been duly appointed or had duly continued in office and was disqualified to be a member of the Council.

45. The Council shall cause proper minutes to be made of all appointments of officers made by the Council and of the proceedings of all meetings of the Society and of the Council and of Committees of the Council, and all business transacted at such meetings, and any such minutes of any meetings, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be sufficient evidence without any further proof of the facts therein stated.

46. A resolution in writing signed by a majority of the members for the time being of the Council or of any Committee of the Council who are entitled to receive notice of a meeting of the Council or of such committee shall be as valid and effectual as if it had been passed at a meeting of the Council or of such committee duly convened and constituted.

ACCOUNTS

47. The Council shall cause proper books of account to be kept with respect to:

- (a) all sums of money received and expended by the Society and the matters in respect of which such receipts and expenditure take place;
- (b) all sales and purchases of goods by the Society; and
- (c) the assets and liabilities of the Society.

Proper books shall not be deemed to be kept if there are not kept such books of account as are necessary to give a true and fair view of the state of affairs of the Society and to explain its transactions.

48. The books of account shall be kept at the office, or subject to section 147(3) of the Act of 1948 at such other place or places as the Council shall think fit, and shall always be open to the inspection of the members of the Council.

49. The Council may from time to time impose reasonable restrictions as to the time and manner of the inspection by the members (other than members of the Council) or by Representatives of members of the accounts and books of the Society, or any of them, and subject to such restrictions the accounts and books of the Society shall be open to the inspection of such members or Representatives of members at all reasonable times during business hours.

50. The Council shall from time to time in accordance with sections 148, 150 and 157 of the Act of 1948 cause to be prepared and laid before the Society in General Meeting, such income and expenditure accounts, balance sheets and group accounts (if any) and reports as are referred to in those Sections. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Society in General Meeting, together with a copy of the Auditors report, shall not less than twenty-one days before the date of the meeting be sent to every member of, and holder of debentures of, the Society. Provided that this Article shall not require a copy of those documents to be sent to any person of whose address the Society is not aware or to more than one of the joint holders of any debentures.

AUDIT

51. Once at least in every year the accounts of the Society shall be examined and the correctness of the income and expenditure account and balance sheet ascertained by one or more properly qualified Auditor or Auditors. Auditors shall be appointed and their duties regulated in accordance with sections 159 to 162 of the Act of 1948 the members of the Council being treated as the Directors mentioned in those sections.

NOTICES

53. A notice may be served by the Society upon any member, either personally or by sending it through the post in a prepaid letter, addressed to such member at his registered address as appearing in the register of members.

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54. Any member described in the register of members by an address not within the United Kingdom, who shall from time to time give the Society an address within the United Kingdom at which a notice may be served upon him, shall be entitled to have notices served upon him at such address, but, save as aforesaid and as provided by the Act, only those members who are described in the register of members by an address within the United Kingdom shall be entitled to receive notices from the Society.

55. Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same is put into the post, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office as a prepaid letter.

DISSOLUTION

56. Clause 9 of the Memorandum of Association of the Society relating to the winding up and dissolution of the Society shall have effect as if the provisions thereof were repeated in these Articles.

BYE-LAWS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Ordinary Resolution dated 29 March 1974 and as amended on 13 October 1976, 6 July 1977, 20 July 1978, 16 July 1980, 5 October 1981, 18 October 1982, 31 October 1983, 1 October 1984, 14 October 1985, 27 October 1986, 26 October 1987, 24 October 1988, 23 October 1989 and 15 October 1990.

DEFINITIONS

1. The Definitions section of the Articles of Association of the Society shall be deemed to be incorporated in and applied to these presents.

SUBSCRIPTIONS

2. Annual Subscriptions shall be as hereinafter provided. A first annual subscription shall be made on application for Membership and shall continue in force until the first day of April of the following year, when it shall be renewable.

(a) Individual Members

- (i) The annual subscription payable by an Individual Member shall be not less than £15.50. On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be the earlier on payment of the sum of Thirty One Pounds, Individual Members may, at the discretion of the Council, retain their membership of the Society in perpetuity, but always subject to the Council's right of removal.
- (ii) Individual Members may on payment of not less than Three Hundred and Ten Pounds become Life Members of the Society.

(b) Local Authority Members

The annual subscription payable by a Local Authority shall be not less than as follows. For local authorities with a population of:

Less than 100,000	£215.00
100,001 to 250,000	£260.00
250,001 to 500,000	£315.00
500,001 to 1,000,000	£415.00

For each additional 500,000 or part thereof - £40

(c) **Corporate Members** and unincorporated bodies appointed in accordance with Article 4 (e) (ii). The Annual subscription payable by Corporate Members and Unincorporated bodies shall be not less than as follows:

- (i) Small local civic societies, colleges, schools and similar organisations - £28.00.
- (ii) Regional and national societies and similar organisations, consultants and small industrial and commercial firms - £150.00.
- (iii) Industrial organisations - £215.00.

(d) Sustaining Members

The annual subscription for sustaining Members shall be not less than £200.00.

(e) Membership - Special Cases

The Council shall have power to elect any applicant for Membership to an appropriate grade of Membership, on such special terms as to subscription or otherwise as after considering any reasons for so doing stated by such applicant the Council may think proper.

REPRESENTATIVES OF MEMBERS

3 (a) Local Authority Members

Each Local Authority Member shall be entitled to appoint not more than five Representatives.

(b) Corporate Members

- (i) Corporate Members elected to membership under Bye-law 2(c) (i) shall each be entitled to appoint one representative.
- (ii) Corporate Members elected to membership under bye-law 2(c)(ii) shall each be entitled to

- appoint three representatives.
- (iii) Corporate Members elected to membership under Bye-law 2(c)(iii) shall each be entitled to appoint five representatives.
- (iv) A Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member is situated shall, in such Division, be entitled to appoint delegates to participate in the activities of the appropriate Division.

RIGHTS OF MEMBERS

4. Each Individual Member, Local Authority Member and Corporate Member and each Representative of a Local Authority Member or Corporate Member, who has paid the appropriate subscription for the current year, shall have the right to:

- (i) Nominate Individual Members and Representatives as Officers of Members of the Council;
- (ii) Be nominated and elected as an Officer or Member of the Council;
- (iii) Cast one vote at elections;
- (iv) Receive notices of and attend and participate in all meetings of the Society and of the Member's division;
- (v) Move or second, and cast one vote on motions at Meetings of the Society and of the Member's Division;
- (vi) Receive free of charge as they are issued the Journal and Members Handbook of the Society;
- (vii) Obtain from the Society, advice and information on questions relating to pollution and its control.

DIVISIONS

5 (a) For administrative and electoral purposes the Society shall be divided into geographical Divisions as follows:

1. **Scotland**
2. **Northern Ireland**
3. **Northern:** Cleveland, Cumbria (in part, only - Allerdale District Council, City of Carlisle and Eden District Council), Durham, Northumberland, Tyne and Wear.
4. **North West:** Cheshire, Clwydd, Cumbria (in part, only - Barrow-in-Furness Borough Council, Copeland District Council and South Lakeland District Council), Greater Manchester, Gwynedd, Lancashire, Merseyside.
5. **Yorkshire and Humberside:** Humberside, North Yorkshire, South Yorkshire, West Yorkshire
6. **West Midlands:** Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.
7. **East Midlands:** Cambridgeshire, Derbyshire, Leicestershire, Lincolnshire, Northamptonshire Nottinghamshire.
8. **Eastern:** Essex, Norfolk, Suffolk.
9. **London and South East:** East Sussex, Greater London, Hertfordshire, Kent, Surrey, West Sussex.
10. **Central Southern:** Bedfordshire, Berkshire, Buckinghamshire, Hampshire, Isle of Wight, Oxfordshire.
11. **South West:** Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.
12. **South and Mid Wales:** Wales except for Clwydd and Gwynedd.

- (b) Members shall normally be considered as belonging to the Division in which their address, as entered upon the Society's records, is situated. However, members may elect to belong to another Division better suited to their needs.
- (c) For the purposes of carrying out activities in a Division, the Members, as hereinafter defined, may elect from among themselves a Divisional Council and its Honorary Officers. A Divisional Council and its Honorary Officers, other than Secretary and auditors, shall consist only of Members, Representatives and Delegates of Members. The Constitution and activities of a Divisional Council shall be subject to the general approval of the Council which shall pay or make grants for approved expenses.

- (d) The Members, Representatives and Delegates of Members, as hereinafter defined, in any town or district within a Division, may, if they so desire, and with the approval of the Council and of their Divisional Council, set up a Branch of the Division and elect Committees and Honorary Officers. The activities of a Branch shall be subject to the general approval and guidance of the Council and of the Divisional Council and the Divisional Council may pay and make grants for approved expenses.

PRESIDENT, VICE-PRESIDENTS, HONORARY MEMBERS AND HONORARY TREASURER

- 6 (a) The President and an Honorary Treasurer shall be elected annually on the recommendation of the Council by the Society at its Annual General Meeting.
- (b) Vice-Presidents shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.
- (c) Honorary Members shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.

THE COUNCIL

- 7 (a) The business of the Society shall be specified in Article 35 and shall include the direction of the policy of the Society, the work of its committees, the reception of reports from such committees, from Divisions, from Headquarters and subject groups.
- (b) The Council at its first meeting after election shall elect from its own members, a Chairman, two Deputy Chairmen and the following Committees:
- (i) Finance and Administration
 - (ii) Conference and Promotions
 - (iii) Technical
 - (iv) Parliamentary and Local Government
 - (v) Noise
 - (vi) Any other Committee considered by the Council to be necessary.
- (c) The Chairman of Council, the two Deputy Chairmen of Council, the Honorary Treasurer, the Chairmen of the Standing Committees (or Deputies in their absence) and the Immediate Past Chairman of Council shall comprise a Steering Group and will meet as required with the following terms of reference:
- 1. To implement Council policy
 - 2. To ensure that the programme of the Standing Committees are comprehensive and appropriately interlocking
 - 3. To formulate proposals for policy changes
 - 4. To act on behalf of the Council in cases of urgency
 - 5. To report to the next following meeting of Council any action taken on its behalf.
- (d) There shall also be a Nominations Committee, appointed by the Council. The Terms of Reference of this Committee shall be as set out in the standing Orders of the Council.
- (e) The procedure for the election of Chairman, Deputy Chairmen and Committees, and the rules and functions of all Committees, shall be decided by the Council.

ELECTIONS

- 8 (a) President, Vice-Presidents, Honorary Members and Honorary Treasurer. Nominations for the office of President, Vice-Presidents, Honorary Members and Honorary Treasurer may be made by any Member of the Society. Nominations, in writing, shall be received by the Secretary General not less than three months prior to the date of the Annual General Meeting.
- (b) (i) Divisional Representatives (Elected in accordance with Article 32(a)). Each Member may nominate Divisional Representatives for his own Division provided that he does not nominate more than the total number to be appointed by that Division. Nominations shall be made to the Divisional Secretary not less than seven days before the date of the Annual General Meeting of the Division. In the event of more nominations being received than there are Divisional Representatives to be appointed, elections by ballot shall be held at the Annual General Meeting of the Division. The result of such an election is to be reported to the Secretary General of the Society not later than seven days before the date of the Society's Annual General Meeting. The

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names of the persons so electe shall be announced at such Annual general Meeting.

- (ii) No member or Representative of a Member shall nominate, be nominated for, or vote in any Divisional Election other than that of which he is a Member or Representative.
- (c) Representatives of National or similar organisations (in accordance with Article 32(b)). Nominations from National or similar organisations shall be received by the Secretary General not less than seven days before the date of the Annual General Meeting.
- (d) No nomination for office shall be considered valid unless the agreement of the candidate has been previously obtained.

INTERPRETATION OF BYE-LAWS

- 9. The Council shall have full power to decide any question of interpretation of these Bye-Laws and any other question on which these Bye-Laws are silent, subject to the power of the Society in any subsequent general meeting to review any such decision and to make new provision in relation thereto.

SECTION 3

Honorary Officers

Past Presidents 1929-1989

Past Chairmen of Council

1958-1990

The Council of the Society

Standing Committees

NSCA Staff

Who's Who 1990-91

HONORARY OFFICERS

President

SIR JOHN MASON, CB, DSc, FRS

Immediate Past President

THE RT HON LORD NATHAN, MA, FSA, FRSA, FRGS

Vice Presidents

KEN COLLINS, MEP

THE RT HON THE EARL OF CRANBROOK

JOHN EDMONDS

FRANK HAYNES, MP

DR. CAROLINE JACKSON, MEP

SIR HUGH ROSSI, MP

MADRON R. SELIGMAN, BA, MEP

GARETH WARDELL, MP

PROFESSOR DAVID G. T. WILLIAMS

Honorary Treasurer

B.H. EDWICK

Chairman of Council

A.J. REES, DMS, MBIM, MIEH, AMIOA

Deputy Chairmen

CLLR. MRS. E. J. INGLEFIELD, BA, RGN

**J.S. HARRISON, BSc, DLC, FRSC, FInst E, FInst Chem Eng,
CChem, CEng**

Immediate Past Chairman

**DR. F. E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng,
FIGasE**

PAST PRESIDENTS 1929 TO 1989

October 1929 to November 1943

Dr. H.A. Des Voeux

November 1943 to March 1946

Mr. Will Melland

March 1946 to September 1948

Sir George Elliston

September 1948 to September 1949

Lord Simon of Wythenshawe

September 1949 to September 1951

Dame Vera Laughton Mathews, DBE

September 1951 to October 1953

Alderman Professor F.E. Tylecote, CBE

October 1953 to October 1956

Sir Ernest Smith, CBE

October 1956 to December 1958

Dr. R. Lessing, CBE

December 1958 to March 1961

Sir Hugh Beaver, KBE

March 1961 to April 1963

The Rt. Hon. Lord Cohen of Birkenhead

April 1963 to May 1965

Dr. Albert Parker, CBE

May 1965 to May 1967

Sir Alan Wilson, FRS

May 1967 to April 1969

Sir John Charrington

April 1969 to June 1971

Sir Kenneth Hutchison, CBE, FRS

June 1971 to June 1973

Mr. Stanley E. Cohen, CBE

June 1973 to July 1975

Sir John Greenborough, KBE

July 1975 to July 1977

Professor P.J. Lawther, CBE

July 1977 to July 1979

Lord Flowers, FRS

July 1979 to October 1981

Lord Ezra, MBE

October 1981 to October 1983

Naomi E.S. Sargent

October 1983 to October 1985

Professor D.G.T. Williams

October 1985 to October 1987

Councillor L. Poole

October 1987 to October 1989

The Rt. Hon. Lord Nathan

PAST CHAIRMEN OF COUNCIL 1958 TO 1990

January 1958 to December 1958

Dr. J.S.G. Burnett

December 1958 to April 1962

Mr. J. Innes

April 1962 to April 1964

Dr. J.L. Burn

April 1964 to May 1967

Mr. J. Goodfellow

May 1967 to April 1969

Mr. A.C. Saword

April 1969 to September 1971

Dr. W.C. Turner

September 1971 to July 1973

Mr. S. Cayton MBE

July 1973 to July 1974

Mr. W. Combey

July 1974 to July 1975

Miss M. George CBE

July 1975 to July 1976

Mr. J. Clancey OBE, BEM

July 1976 to July 1977

Mr. P. Draper

July 1977 to July 1978

Mr. T.H. Iddison MBE

July 1978 to July 1979

Professor R.S. Scorer

July 1979 to July 1980

Mr. H.I. Fuller

July 1980 to October 1981

Mr. A.J. Clarke

October 1981 to October 1982

Mr. H. Giblin

October 1982 to October 1983

Mr. W.B. Twyford

October 1983 to October 1984

Councillor L. Poole BEM, JP

October 1984 to October 1985

Mr. M. Beaumont

October 1985 to October 1986

Mr. R.W.C. Wheatley

October 1986 to October 1987

Mr. I.W. Barker

October 1987 to October 1988

Mr. K.S. Dunn

October 1988 to October 1989

Mr. W. F. Snow

October 1989 to October 1990

Dr. F.E. Shephard

THE COUNCIL OF THE SOCIETY

APPOINTED REPRESENTATIVES OF NATIONAL BODIES

British Coal

Mr. J.S. Harrison

British Gas

Dr. F.E. Shephard

British Steel

Mr. D.A. Harrison

UK Centre for Economic and Environmental Development

Mr. D.R. Cope

Filtration Society, The

Dr. R.W.K. Allen

Institute of Petroleum, The

Mr. J.H. Boddy

Institution of Environmental Health Officers, The

Mr. R. Webb

Institution of Gas Engineers, The

Ms. F. Church

Low Temperature Coal Distillers Association

Mr. N.M. Ross

National Power

—

PowerGen

Mr. G.W. Barrett

Solid Smokeless Fuels Federation

Mr. I. MacKay

ELECTED REPRESENTATIVES FROM NSCA DIVISIONS

SCOTLAND - Division 1

3 Representatives

Cllr. D. Munn - Mr. C. MacDonald - Mr. K. Thomas

NORTHERN IRELAND - Division 2

1 Representative

Mr. G. McCurdy

NORTHERN - Division 3

4 Representatives

Mr. K. Atkinson - Mr. J.A. Mann

Cllr. L. Poole - Cllr. T.W. Yellowley

NORTH WEST - Division 4

6 Representatives

Cllr. T. Jones - Mr. K.G. Kaufman

Mr. I.R. Liversidge - Mr. J.B. Simpson

Mr. W.F. Snow - Cllr. W.P. Urmston

YORKSHIRE AND HUMBERSIDE - Division 5

4 Representatives

Cllr. J.M. Bramley - Cllr. J. Carr

Mr. K. Kelly - Cllr. G.M. McDade

WEST MIDLANDS - Division 6

3 Representatives

Mr. J. Little - Mr. T. Townsend - Cllr. R. Turner

EAST MIDLANDS - Division 7

6 Representatives

Cllr. R.S. Chamberlain - Mr. K.S. Dunn

Mr. K.R. Enderby - Mr. F. Haynes MP

Cllr. Mrs. E.J. Inglefield - Cllr. R.F. Ogilvie

LONDON AND SOUTH EAST - Division 9

9 Representatives

Dr. D. Ball - Mr. J.J. Beagle - Mr. J. Clancey

Mr. P. Cooney - Mr. D. Corfield - Mrs. E.M.L. Naylor

Professor R.S. Scorer - Cllr. Mrs. B.J. Solkhon - Mr. J. Wade

CENTRAL SOUTHERN - Division 10

3 Representatives

Dr. R. Barnes - Mr. P. Legge - Mr. A.J. Rees

SOUTH WEST - Division 11

3 Representatives

Mr. H. Dawson - Mr. H. Nowell - Mr. B.H. Young

SOUTH AND MID WALES - Division 12

4 Representatives

Cllr. Dr. J.R.P. Evans - Mr. T. Jones

Cllr. H.I. Thomas - Mr. R. West

STANDING COMMITTEES

The President, Hon. Treasurer, Chairman, Deputy Chairmen,
Immediate Past Chairman and Immediate Past President
are all ex-officio members of all five Standing Committees.

Finance and Administration Committee

Mr. K.S. Dunn - Cllr. Dr. J.R.P. Evans - Mr. J. Little

Mr. I.R. Liversidge - Cllr. G.M. McDade - Cllr. D. Munn

Mr. H.R. Nowell - Cllr. T.W. Yellowley

Chairman, Conference and Promotions Committee -

Cllr. R. S. Chamberlain

Chairman, Noise Committee - Mr. H. Dawson

Chairman, Parliamentary and Local Government Committee -

Mr. W. F. Snow

Chairman, Technical Committee -

Mr. J. H. Boddy

Co-opted

Cllr. L. Poole

Conference and Promotions Committee

Cllr. J.M. Bramley - Cllr. R.S. Chamberlain

Mr. K.R. Enderby - Cllr. T. Jones - Cllr. D. Munn

Mrs. E.M.L. Naylor - Cllr. R.F. Ogilvie - Cllr. L. Poole

Cllr. Mrs. B. J. Solkhon - Cllr. H.I. Thomas - Cllr. W.P. Urmston

Co-opted

Mr. P. Cooney - Mr. H. Phillips

Noise Committee

Mr. K. Atkinson - Mr. G.W. Barrett - Mr. J.J. Beagle
Mr. P. Cooney - Mr. D. Corfield - Mr. H. Dawson - Mr. K.G. Kaufman
Mr. P. Legge - Cllr. L. Poole - Mr. K. Thomas
Mr. T. Townsend - Mr. J. Wade

Co-opted

Mrs. I. Brain - Mr. J. Evans - Mr. L. Fothergill
Mr. P. T. Freeborn - Mr. A.J. Gibbon - Mr. D.R. Romaine
Mr. G.H. Vulkan

Parliamentary and Local Government Committee

Cllr. J. Carr - Mr. T. Jones - Mr. K. Kelly
Mr. C. MacDonald - Mr. I. MacKay - Mr. J.A. Mann
Mr. N.M. Ross - Mr. W.F. Snow - Mr. T. Townsend
Mr. R. Turner - Mr. R. Webb - B.N. Young

Co-opted

Cllr. L. Poole

Technical Committee

Dr. R.W.K. Allen - Dr. D. Ball - Dr. R.A. Barnes
Mr. G.W. Barrett - Mr. J.J. Beagle - Mr. J.H. Boddy
Ms. F. Church - Mr. P. Cooney - Mr. D. Cope
Mr. H. Dawson - Mr. P. Legge - Mr. C. MacDonald - Professor R.S. Scorer
Mr. J.B. Simpson - Mr. T. Townsend - Mr. R. West

Co-opted

Dr. R.S. Barratt - Mr. A.H. Brown - Dr. S.R. Craxford - Dr. M. Fox
Dr. K. Gregory - Dr. D. Laxen - Dr. D. Lee - Mr. B. Lees
Cllr. L. Poole - Dr. C. Schofield - Mr. R.E. Waller - Dr. M. Williams

NSCA STAFF

Secretary General

Air Commodore John Langston, CBE, FBIM

**Administration, Accounts
Production and Sales of Publications**

Administration Manager

Peter J. Mitchell

Secretary to Secretary General and Administration Manager

Council and Standing Committees Administration

Wendy Messer

Membership, Publication Sales and Conference Registrations

Kathy Lennon

Editorial, Information and Public Relations

Editor

Loveday Murley

Information and Public Relations Officer

Tim Brown

Assistant Information Officer/Assistant Editor

Mary Stevens

Administrative Assistant

Juliette Chatterton

WHO'S WHO

SIR JOHN MASON, CB, DSc, FRS, President of the National Society for Clean Air and Environmental Protection, is Chairman of the Co-ordinating Committee on Marine Science and Technology, which is charged with producing a national strategy for these subjects.

He is currently Director of the Surface Waters Acidification Programme carried out under the auspices of the Royal Society, the Royal Swedish Academy of Science and the Norwegian Academy of Science and Letters. He is also President of the University of Manchester Institute of Science and Technology and Chairman of the Scientific Management Committee of the World Climate Research Programme.

Sir John was born in 1923, graduated BSc (1947) University of London, and awarded DSc in 1956. He was Director-General of the Meteorological Office from 1965 to 1983. Earlier appointments include Warren Research Fellow of the Royal Society (1957), Visiting Professor of Meteorology, University of California (1959-60), Professor of Cloud Physics at Imperial College, London (1961-65).

He was elected a Fellow of the Royal Society in 1965, was President of the Royal Meteorological Society 1969-70, President of the British Association for the Advancement of Science 1982-83, Permanent Representative of the United Kingdom at the World Meteorological Organisation and a Member of its Executive Committee from 1965-83. He was President of the Institute of Physics from 1976-78 and was Treasurer and Senior Vice-President of the Royal Society from 1976-1986. He was a member of the ABRC from 1982-86.

He was awarded the Charles Chree Medal and Prize of the Physical Society (1965), the Glazebrook Medal of the Institute of Physics (1974), the Rumford Medal of the Royal Society (1972) for his discoveries on clouds, rain, and especially the origin of lightning, on which he delivered the Bakerian Lecture of the Royal Society in 1971. He was awarded the Symons Memorial Gold Medal of the Royal Meteorological Society (1975). He was created CB in 1973 and knighted in 1979.

The Rt. Hon. LORD NATHAN, MA, FSA, FRSA, FRGS, Honorary Doctor of Laws (Sussex), Immediate Past President of the Society, was a member of the Royal Commission on Environmental Pollution (1979-89); is a member of the House of Lords Select Committee on the European Communities, Chairman of its Environment Subcommittee (1983-1987 and 1990 to date), and Chairman of the Ad-hoc Subcommittee

on the European Company Statute (1989-1990).

He is a solicitor and consultant to Denton Hall Burgin & Warrens, Solicitors, London, and was, until 1986, senior partner of Herbert Oppenheimer, Nathan and Vandyk, Solicitors, London. He has been an associate member of the Bar Association of the City of New York and of the New York County Lawyers Association for many years. He is Chairman of the Institute of Environmental Assessment and President of the UK Environmental Law Association and gave the inaugural Garner Lecture in 1987. He gave the Macmillan Education Lecture in 1977 on Energy and the Environment. He has written and spoken extensively on environmental issues.

Lord Nathan is a Vice President of the Royal Society of Arts (Chairman 1975 - 77 and subsequently Chairman of its Environment Committee). He was Chairman of a Working Party on Energy and the Environment which reported in 1974.

KEN COLLINS, MEP, Vice-President of the Society, was educated at Hamilton Academy, the University of Glasgow and Strathclyde University. He was for three years an apprentice metallurgist with Dalzell steelworks, Motherwell, before attending university. Subsequently, he worked as a Planning Officer with Glasgow and then West Yorkshire (1965 - 1967); organiser tutor, Workers' Educational Association (1967 - 1968); teacher, Glasgow College of Building 1968 - 1970; and Lecturer in Urban Studies, Paisley College of Technology 1970 - 1979. He has been an MEP since 1979. He was a Member of East Kilbride Town and District Councils 1973- 1979, and a Board Member, East Kilbride Development Corporation 1976 - 1979. Ken Collins was Spokesman on Environment, Public Health and Consumer Protection for the Socialist Group of the European Parliament (1984 - 1989). He was elected Chairman of the European Parliament's Committee on the Environment, Public Health and Consumer Protection in July 1989, having formerly been the Committee's Chairman from 1979 - 1984 and Vice-Chairman from 1984 - 87.

The Rt. Hon. THE EARL OF CRANBROOK, MA, PhD, DSc (Hon), DL, Vice-President of the Society, is a graduate of the universities of Cambridge and Birmingham. From 1956 - 1970, he was employed as a biologist in several posts in S.E. Asia. Lord Cranbrook was appointed to the Nature Conservancy Council in 1990, as chairman of the Advisory Committee for England and prospective Chairman of the NCC England. He has been a member of the Royal Commission on Environmental Pollution since 1981, the Natural Environment Research Council 1982-88, and sub-committee 'G' (Environment), House of Lords Select Committee on the European Communities, Chairman from 1980 - 1983 and again, 1987 - 1990; Lord Cranbrook is President of the Suffolk Wildlife Trust and Suffolk Naturalists' Society. Since 1987, he has been a non-executive member of the Board of Anglian Water plc. Since 1988 he has been a member

of the Broads Authority and since 1989 a member of the Harwich Haven Authority. He is married, with two sons and a daughter, and lives and farms in Suffolk.

JOHN EDMONDS, Vice-President of the Society, has been General Secretary of the GMB (formerly the General, Municipal, Boilermakers and Allied Trades Union). Educated at Christ's Hospital and Oriel College Oxford (BA 1965, MA 1968) he became in 1966 Research Assistant at the General & Municipal Workers Union; subsequently Deputy Research Officer (1967), Regional Officer (1968) and National Industrial Officer (1972 - 1985); Member of the Royal Commission on Environmental Pollution 1979 - 1989; Visiting Fellow, Nuffield College, Oxford since 1986; Governor, London School of Economics since 1986, Trustee of Institute for Policy Research; and a Director of Unity Trust Bank plc.

D. FRANK HAYNES, MP, Vice-President of the Society, was elected MP for Ashfield in the May 1979 general election. Formerly a Councillor, he comes from a coal-mining area and has helped his own local council to implement smoke control and clean air policies generally.

DR CAROLINE JACKSON, MEP, Vice-President of the Society, has been a member of the European Parliament since 1984, representing Wiltshire, Newbury and Wantage. She is Conservative spokeswoman on Environment and Consumer Protection, and author of "Europe's Environment: a Conservative Approach", and a former member of the National Consumer Council and of the British committee for European Year of the Environment. Educated at St. Hugh's and Nuffield College, Oxford, with a doctorate in 19th century history, she formerly worked for the European Parliament in Luxembourg and Brussels.

SIR HUGH ROSSI, MP, Vice-President of the Society, was educated at Finchley Catholic Grammar School and King's College, University of London. He subsequently qualified with honours as a solicitor. Among other appointments, Sir Hugh was Government Whip for the Conservative Party from 1970-74 and Parliamentary Under-Secretary of State at the DOE in 1974. Opposition spokesman on Housing and Land 1974 - 1979. Minister of State Northern Ireland Office 1979 - 1981 and Minister of State for Social Security 1981-3. From 1972-3 he was Deputy Leader of the UK Delegation to the Council of Europe and the Western European Union, and has been Chairman of the House of Commons Select Committee on the Environment since 1983. Sir Hugh was knighted in 1983 and became Knight Cmdr. St. Gregory in 1985.

MADRON R. SELIGMAN, MA, MEP, Vice-President of the Society, was educated at Harrow School and Balliol College, Oxford, where he was President of the Oxford Union in 1940. Mr. Seligman has been a Member of the European Parliament representing Sussex West since 1979, where he is Conservative Spokesman for Energy Research and Technology, and a member of the Committees for Environment and Education. He was Chairman of the Incinerator Company Ltd. until September 1989, and Managing Director of APV INTERNATIONAL until November 1980.

GARETH L. WARDELL, MP, Vice-President of the Society, is a graduate of the London School of Economics and Political Science. From 1972-73 he was a Lecturer in Education at Bedford College of Physical Education and from 1973-82 Senior Lecturer in Geography at Trinity College, Carmarthen. He is a Fellow of the Royal Geographical Society and has been MP for Gower since 1982. Mr. Wardell has been Chairman of the Select Committee on Welsh Affairs since 1984.

PROFESSOR D.G.T. WILLIAMS, MA, LLB, Vice-President of the Society and a Past President of the Society, has been Vice-Chancellor of the University of Cambridge since October 1989, President of Wolfson College, Cambridge, since October 1980, and Rouse Ball Professor of English Law since 1983. His academic interests lie principally in the fields of constitutional and administrative law, and in recent years he has been particularly interested in matters relating to the environment. He was a member of the Clean Air Council 1971 - 1979, of the Commission on Energy and the Environment 1978 - 1981, and of the Royal Commission on Environmental Pollution 1976 - 1983. In addition, he was a member of the Council on Tribunals, 1972 - 1982. David Williams was born in Carmarthen in Wales, went to University of Cambridge, and was called to the Bar in 1956. He was a Commonwealth Fund (Harkness) Fellow in the United States, 1956 - 1958, and taught at the Universities of Nottingham and Oxford before returning to Cambridge in 1967.

ALAN J. REES, DMS, MBIM, MIEH, AMIOA, is Chairman of the Council of the Society, former Chairman of the Society's Finance and Administration Committee, and former Chairman of the Society's Conference and Promotions Committee. He represents the Central Southern Division, NSCA. He qualified as a Public Health Inspector with Oxford City Council, and has since been employed by three other local authorities, before his present appointment as Principal Environmental Health Officer for South Oxfordshire DC. From 1978 to 1983 he was Honorary Secretary of London & South East and Central Southern Divisions, and is a past Chairman of the Joint Divisions.

FRANK E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng, FIGasE, represents

British Gas plc and The Institution of Gas Engineers. He is Immediate Past Chairman of the Council of the Society and former Chairman of its Finance and Administration Committee. He graduated from the Queen's University of Belfast in 1960 and completed a period of research into catalytic reactions of hydrocarbons before joining the Gas Council Basic Research Groups in 1963. He studied fundamental properties of catalysts until 1970, when he joined the Analytical Research Group of the Gas Council's London Research Station. After a period as Assistant Manager responsible for the Environmental Studies Group within the Analytical Division of London Research Station he is now Manager of that Division. He also has a special responsibility for the environment matters within the R & T Division of British Gas. He is a member of The Institution of Gas Engineers Environmental Studies Committee and chairs the International Gas Union Committee on Gas and the Environment.

CLLR. MRS. E. JANE INGLEFIELD, BA, RGN, Deputy Chairman of the Council of the Society, represents the East Midlands Division, NSCA, and is Chairman of the Finance and Administration Committee; she has been a member of the Divisional Council of the East Midlands for the past 16 years and is the Chairman of Housing for High Peak Borough Council. She is a member of the Management Committee of the Derbyshire Historic Buildings Trust Ltd. Mrs. Inglefield is currently working for the Marie Curie Memorial Cancer Care as the Regional Co-ordinator of Community Nursing Services for Trent, Mersey & North West Regions.

JAMES S. HARRISON, Deputy Chairman of Council, NSCA, and Director of the Coal Research Establishment, represents the British Coal Corporation. A Fellow of the Royal Society of Chemistry, Institute of Chemical Engineers and of the Institute of Energy, he was recently given the Institute's Special Award, and presented the BCURA Robens Coal Science Lecture in 1988. He is Chairman of IEA Coal Research, and of Combustion Systems Ltd., a company owned jointly by BP and British Coal Corporation, and a member of the Board of Coal Products Ltd. He is a member of the Research Committee of the European Coal Producers and has served on the Sub-Committee of Energy R&D of the Commission of the Common Market and on Advisory Committees of the IEA and of the UK Government. He is particularly interested in the environmental aspects of energy production and has given evidence on the greenhouse effect to Select Committees of the House of Commons and the House of Lords.

BRIAN H. EDWICK, Honorary Treasurer of the Society, is also Honorary Treasurer and past President of The National Federation of Master Steeplejacks and Lightning Conductor Engineers.

DR. RAYMOND W.K. ALLEN, CEng, BSc, MSc, PhD, FI ChemE. Represents the Filtration Society and serves on the Society's Technical Committee. He is a member both of the Council of the Institution of Chemical Engineers and of its Research and Membership Committees. Married to a District and County Councillor he has a keen interest in local government. He is Head of the Department of Environmental and Process Engineering at Harwell Laboratory of AEA Technology where he has overall responsibility for extensive research programmes in gas cleaning and liquid effluent treatment. He is also a Visiting Professor at the University of Newcastle upon Tyne.

KEITH ATKINSON, Honorary Secretary of the Northern Division, NSCA, is Assistant Environmental Health Officer, Darlington BC. He entered local government in 1963 as a Pupil Health Officer, and worked for several local authorities after qualifying. His main interests in environmental aspects are noise and air pollution. He was involved with the Darlington Quiet Town Experiment (1976 - 78). He was elected Honorary Secretary of the Northern Division in 1989 after representing Darlington BC for many years.

DR. DAVID J. BALL, D.Phil, FInstP, FRSH, is a member of the Technical Committee of the Society and represents the London and South East Division, NSCA. Currently Research Manager of the Environmental Risk Assessment Unit of the University of East Anglia, he was formerly Head of the GLC's Pollution Monitoring Group and LSS's Material Sciences Division. His interests include the assessment and management of risks associated with the natural environment, environmental pollution, occupational hazards, consumer products and consumer activities in general. Dr. Ball is a regular participant in the Society's Workshops and contributor to 'Clean Air'.

DR. RON BARNES represents the Central Southern Division, NSCA, and is Chairman of the Society's Climate Change Working Group. He graduated from University College London in 1969 and was awarded his PhD in 1975 for research into the long range transport of atmospheric smoke and sulphur dioxide. After a period of mixed air pollution consultancy and university teaching during and after his PhD, he was appointed to the DOE's Central Unit on Environmental Pollution. He later joined Esso Petroleum Co.Ltd., where he is responsible for all air pollution research activities and for providing strategic environmental planning information relevant to company operations and products. In 1978 Dr. Barnes was seconded from Esso to the United Nations to prepare a consultant's report on all aspects of the long range transport of air pollution. This report was used as the technical basis for the UN ECE Convention on Transboundary Pollution.

GEORGE W. BARRETT represents the PowerGen PLC. Having graduated from the

University of Manchester in 1968 with an Honours degree in Physics, he was subsequently awarded an MSc in Applied Acoustics from the University of London. For three years he worked in the Acoustics Laboratory of the British Aircraft Corporation at Weybridge where he dealt with all aspects of aircraft noise. In 1972 he joined the Planning Department of the Central Electricity Generating Board where he was a Group Head in the Environment Section, dealing with all aspects of environmental policy and planning for power generation. He is now with Powergen where he is the Section Head responsible for Environmental Assessment.

JOSEPH J. BEAGLE, BA(Hons), MIEH, represents the London & South East Division, NSCA, having become Honorary Secretary on his retirement from local government in 1983. He was a Divisional EHO with the London Borough of Hammersmith & Fulham where he was responsible for noise and air pollution control matters, including investigations into lead pollution and asbestos control. Mr. Beagle is a member of the Technical and Noise Committees and the Civil Nuclear Power Working Group, and now works as an Environmental Health Consultant.

JOHN BODDY is a consultant on petroleum fuels and environmental matters. He is Chairman of the NSCA Technical Committee on which he has served for many years, and he has been a member of the London and South East Divisional Council for the past three years. Before becoming a consultant he was employed by Mobil Europe Inc, Mobile Oil Co. Ltd and BP, mainly on product research and environmental matters. Mr. Boddy was also engaged in joint activities of the Motor and Petroleum Industries in Europe - on motor vehicle and engine emission control - in which sphere he chaired the Fuels Committee of the Co-ordinating Council for the development of performance tests for lubricants and engine fuels. He served on the Council of the Institute of Petroleum from 1979 to 1981.

CLLR. J. MAKIN BRAMLEY represents the Yorkshire & Humberside Division, NSCA. A farmer in private life, he has been a member of District Councils for 30 years and Chairman of the Environmental Health Committee for the last twelve years. He is a member of the North Yorkshire County Council and a former member of the Yorkshire Water Authority; he currently chairs the Central Consultative Committee and is Vice Chairman of the Hull and Goole Port Health Authority. Cllr. Bramley is a member of the Provincial Council and also of the Yorkshire and Humberside Pollution Advisory Council.

CLLR. JACK CARR represents the Yorkshire & Humberside Division, NSCA. As

Health Committee Chairman of Rawmarsh UDC he served as a member of the Sheffield and District Clean Air Committee 1967 -73. In 1973 he became a member of the Yorkshire & Humberside Division of the Society and in the same year became a member of Rotherham's Environmental Health Committee. He has also held senior posts on Rotherham's Education Committee. In 1988 he became Chairman of the Environmental Health Committee and Chairman of South Yorkshire Joint Waste Committee and Hazardous Waste Unit. He also serves on the AMA. Environmental Health and Consumer Protection Committee.

CLLR. RONALD S. CHAMBERLAIN represents the East Midlands Division, NSCA, and is Chairman of the Conference & Promotions Committee. He has been a member of the East Midlands Division for twenty years, Chairman of the Division 1987-88 and a Member of the Council of the Society since 1974. He has been a Member of the Ashfield DC and Kirby-in-Ashfield UDC for over twenty years, was Chairman of the Kirby-in-Ashfield UDC Health Committee from 1971/74 and Chairman of the Ashfield DC Environmental Health Committee, 1974 to 1983. Cllr. Chamberlain was elected Chairman of the Central Nottinghamshire Community Health Council in February 1981 and became a member of the Central Nottinghamshire District Health Authority in 1982 and Vice Chairman in 1987 until reorganization in 1990. He is a Justice of the Peace.

MS FAITH CHURCH, BSc, MSc, CEng, MIEE, MlGeol, MIWEM, FGS, MIES, represents the Institution of Gas Engineers. Educated at Lancaster University and University College London, she began her career working for Anglian Water as an Hydrologist then Hydrogeologist. In 1986 she joined the London Research Station of British Gas and early in 1987 became a Senior Scientist in the Environmental Studies Group, providing an environmental consultancy as well as continuing her hydrogeology work. In October 1989 she took the post of Principal Scientist, leading the research programmes of scientists involved in air pollution and water treatment studies. She joined the Council of the NSCA in early 1989. She is co-author, with Dr. Frank Shephard, of 'The Gas Industry Contribution to Clean Air' which was presented to the Society's 1987 Conference in Brighton.

JAMES C. CLANCEY, OBE, FIWEM, FIEH, FRSH (Hon), MIEnvSc, MAmerPHA, represents the London & South East Division, NSCA. Before retirement he was Chief Inspector (Environmental Health) to the Greater London Council and was formerly Chief Inspector in the Public Health Department of the London County Council. He is a past Vice President of the Institution of Public Health Engineers; he is also an Hon. Fellow of the Institution of Water and Environmental Management; an Hon. Fellow and Life Vice President of the Royal Society of Health and a past Vice President of the Institution of

Environmental Health Officers. He was Chairman of the Council of the Society, 1975/76 and has for thirty-nine years been active in the promotion of the clean air movement particularly in Greater London. He now practises as a consulting public health engineer.

PAUL A. COONEY represents the London and South East Division, NSCA. He is a Principal Environmental Health Officer at the London Borough of Greenwich and heads a specialist unit responsible for all aspects of pollution control. Throughout his career he has taken a keen interest in the biological effects of heavy metals and toxic substances and has assisted in the successful completion of nine major epidemiological blood-lead studies involving children. He has provided evidence to Royal Commissions for their 9th and 10th Reports and, more recently, the Select Committee inquiring into contaminated land. Greenwich has a particular problem with the development of its contaminated land and Mr. Cooney continues to campaign for a satisfactory long-term solution to this problem. His group 'manages' asbestos in public sector housing and local authority buildings and also acts as a specialist adviser to the Council on other environmental issues. Believing in the proper use of planning powers in controlling the environmental impact of pollution, his team concentrates on supporting and advising planning colleagues. He lectures to a variety of groups on pollution matters and currently sits on the Society's Technical Committee.

DAVID R. COPE is Executive Director of the UK Centre for Economic and Environmental Development (UK CEED), an independent policy research unit, supported by UK charitable foundations, industrial and commercial interests and central government, which promotes the economic analysis of environmental problems in the UK. He is Special Lecturer in Energy and Environmental Studies at the University of Nottingham and a visiting lecturer at Cambridge University. From 1987-89 he was a member of the CEGB's independent Environmental Development Advisory Panel. He is a member of the Standing Committee of the Advisory Council on Science and Technology (Cabinet Office) and of the Management Board of the DoE's Environmental Protection Technology Scheme. He has served on the Watt Committee on Energy's Nuclear Safety and Acidification Working Groups and the Fellowship of Engineering's Acid Emission Abatement Task Force. A Professional Associate of the Institute of Energy and a member of the British Institute of Energy Economics, he has written and lectured widely on all aspects of the economics of energy use and the environment.

D.F. CORFIELD represents the London and South East Division of NSCA. Educated at Ealing County Grammar School and Twickenham Technical College, he trained as a building manager before entering local government. Here he trained as a Public Health Inspector with the London Borough of Fulham and is now employed as Chief

Environmental Health Officer of the Corporation of London, with particular interests in noise from construction sites and vehicles and clean air.

HYLTON DAWSON is an independant Noise and Safety consultant and represents the Society's South West Division of which he is Chairman. He is co-patentee of two designs of silencer for supersonic jet engines and in 1971 was awarded the President's Gold Medal of the Society of Engineers. He has a particular interest in low frequency acoustics. He is Chairman of the NSCA's Noise Committee and author of the NSCA book 'Noise and Society'. Mr. Dawson represents the NSCA on the governing body of the International Association Against Noise (AICB).

KENNETH S. DUNN, CEng, MInstE, represents the East Midlands Division, NSCA. He is a Past Chairman of the Council of the Society and currently represents the Society on the Executive Committee of the International Union of Air Pollution Prevention Associations. He has been Managing Director of the Incinerator Co. Ltd. - a founder member of EPEMA - from 1969 until his retirement in 1990, and was formerly a director of Robey and Co. Ltd., Lincoln, where he had special responsibility for shell boiler development.

KENNETH R. ENDERBY represents the East Midlands Division, NSCA. He is City Environmental Health Officer, Peterborough CC, and has been a representative of Peterborough CC to the NSCA for over 30 years, and a member of the East Midlands Division for more than 20 years (Deputy Chairman 1976/77 and 1988/89, and Chairman 1977/78 and 1989/90). He has been a Member of the Council of the Society and of the Conference and Promotions Committee since 1974.

JOHN R. P. EVANS, ACP, MBIM, LRSC, MEd, PhD, is Chairman of the South and Mid Wales Division, NSCA. A Chemistry graduate, he has worked as an industrial chemist with ICI Fibres and the British Steel Corporation. He taught for several years, and is currently Warden of an Adult Education Centre. Dr. Evans was elected a Member of the Rhymney Valley DC in 1976 and was an Executive Member of the Labour Party (Wales).

DAVID A. HARRISON represents British Steel plc. He has been involved with Energy and Environment in the Steel Industry for over 20 years. He is a member of BS Pollution Control Committee, which is a national committee determining environmental policy, and a member of the Noise Control Engineering Group of BS.

TERRY JONES, DMA, MIEH, represents the South & Mid Wales Division, NSCA, and is a member of the Parliamentary and Local Government Committee. He is employed by Torfaen BC as Principal Environmental Health Officer and is currently responsible for the waste regulatory functions of the Authority. He is a Past Chairman of the Gwent Branch of the Institution of Environmental Health Officers and currently the appointed Hon. Secretary of the South and Mid Wales Division, NSCA.

CLLR. THOMAS JONES represents the North West Division, NSCA. He has been a Councillor since 1970, first as a member of Ashton-in-Makerfield UDC and then under the reorganisation of Local Authorities he became a member of Wigan MBC. Throughout this political career he has held a variety of positions including Mayor of Wigan in 1982. He is also a former Chairman of the Manchester Council for Clean Air and is now the delegate for the Association of Greater Manchester Authorities on this Committee. He is the Chairman of the Association of Greater Manchester Council Trading Standards Committee and Chairman North Western Home Safety Council.

K.G. (GEOF) KAUFMAN represents the North West Division NSCA. He is the Pollution Control Manager heading a new Pollution Inspectorate at Tameside MBC, and has held several appointments with local authorities in the Greater Manchester area. As a member of the Manchester Area Pollution Advisory Council he is a past secretary of the Noise working group. He has recently served as a member of the Government Noise Review Working Party representing NSCA, and is a member of the Society's Noise Committee and co-author of several society publications.

KEN KELLY represents the Yorkshire and Humberside Division of the Society and was appointed Divisional Secretary in September 1987. He is Deputy Director of Environmental Health for Rotherham MBC and has held appointments with Doncaster MBC, Doncaster RDC and Leeds CBC. During the thirty years he has been in local government he has always been associated with the implementation and progression of pollution control in its many facets. He is a member of the Society's Parliamentary and Local Government Committee.

PATRICK LEGGE, BSc (Hons), MIEH, represents the Central Southern Division, NSCA, and serves on the Technical and Noise committees. As a qualified Environmental Health Officer, he has gained considerable experience in air pollution and noise control, particularly when he worked for Dudley MBC and the London Borough of Ealing. He is now a Divisional Environmental Health Officer with Slough BC, in charge of a specialist section dealing with pollution, refuse collection and cleansing issues.

J. LITTLE represents the West Midlands Division NSCA and is a member of the Finance and Administration Committee.

IAN R. LIVERSIDGE, FRSH, MIEH, represents the North West Division NSCA and serves on the Finance and Administration Committee. As Borough Environmental Health Officer at Bolton MBC he has responsibility for all matters concerning land, water and air pollution. Several industrial liaison committees are in operation with representatives of industry and the council. Community based liaison committees also operate as does a smoke control programme.

JOHN A. MANN represents the Northern Division, NSCA. He entered local government in Hull in 1965, and worked as an environmental health officer in Yorkshire, Suffolk and the Midlands before joining Middlesborough BC in 1984, where he became involved with the society. A Chief Officer since 1988, he has been involved with community liaison initiatives.

CALLUM MACDONALD represents the Scottish Division NSCA, currently serving as Treasurer on the Executive Committee of that Division. He is a member of the Technical Committee and the Parliamentary and Local Government Committee. As an environmental health officer he has served with Glasgow DC since 1975, as a student, then qualified environmental health officer. He is currently Deputy Pollution Controller in Glasgow with responsibility for a wide range of environmental matters including air pollution, noise control, waste management and lead in water. He assisted in the resurrection of the Scottish Division and is keen to ensure a continuing valuable contribution to the society from north of the border.

IAN MACKAY represents the Solid Smokeless Fuels Federation and is a member of the Parliamentary and Local Government Committee. Having joined the National Coal Board in 1948, he served in various departments, particularly marketing, and became District Sales Manager for Teesside. In 1970, he joined Associated Heat Services Limited as Sales Manager and in 1982 was appointed General Manager of the Solid Smokeless Fuels Federation. He was Chairman of the North East Coal Industry Society in 1980. Mr. MacKay is an associate member of the Institute of Marketing.

GERARD McCURDY represents the Northern Ireland Division, NSCA. He is a Senior Environmental Health Officer at Carrickfergus BC, where he has specialist responsibilities in pollution control, health and safety and licensing. His experience in

pollution control has been primarily related to noise control and he has presented evidence to major planning enquiries as well as producing reports on such subjects as the re-zoning of industrial land for housing development. In 1989 he became Divisional Honorary Secretary of the Northern Ireland Division of the Society.

GERALD M. McDADE represents the Doncaster MBC Yorkshire and Humberside Division. He was a member of Thorne RDC from 1959 to 1974, and was Chairman in 1963 and 1970. He has been Chairman of various Committees including Public Health for Doncaster MBC since 1974, and was Mayor 1975-76. He is the Vice Chairman, Planning Committee, a local magistrate and Vice Chairman of the NSCA Yorkshire and Humberside Division. He is retired, having previously been in Management for ICI Fibres.

DAVID MUNN joined NSCA Scottish Division in 1990. He has been Chairman of Cunninghame DC Health Committee since 1987 and is currently a member of the convention of Scottish local authorities organisation and a member of Clyde River Purification Board.

MRS. E.M.L. (PAT) NAYLOR, MIHEc, MRSH, ARCA, is Chairman of both the London & South East and Central Southern Divisions. She was associated with the Women's Solid Fuel Council for 30 years until its demise in September 1989. Mrs. Naylor is a Lecturer in Home Economics in England and America. She is a member of the BBC Local Radio Council; of the British Standards Institution; of the Kitchen Planning SFC Committee and of the United Kingdom Home Economics Federation. Mrs Naylor is also a Past President of the United Kingdom Federation of Business and Professional Women. She is a member of the Society's Conference and Promotions Committee.

HOWARD NOWELL is a former Honorary Secretary of the South West Division. He has spent the greater part of his professional career with Bath CC where he is now Principal Environmental Health Officer with special responsibility for environmental pollution control. He has served on numerous pollution related bodies and is a founder Member and Past Chairman of the Avon, Gloucestershire and Somerset Environmental Monitoring Committee.

CLLR. ROBERT F. OGILVIE represents the East Midlands Division as Chairman, NSCA, of which he has been a member since 1979. He has been a member of Corby

District Council since 1973 and is a member of the Policy and Planning, and Environmental and General Services Committees. He is Chairman of Development Control and a member of the Community Health Council, Governor of Forest Gate and Firdale Schools, and also the Vice Chairman of Corby Citizens Advice Bureau.

CLLR. LEN POOLE, BEM, JP, a Past President of the Society, represents the Northern Division of NSCA; he is Deputy Chairman of the Noise Committee and a Past Chairman of the Society's Council. Cllr. Poole has been Chairman of the Northern Division and a member of Council since re-organisation of local government, Chairman of the Environmental Health Committee, Middlesbrough BC (since re-organisation) and Member of South Tees Health Authority (representing Middlesbrough), Justice of the Peace since 1965 and Deputy Chairman of Domestic and Adult Court. Cllr. Poole was responsible for persuading his Council to complete its Domestic Smoke Control programme by the target date of 1979 (in spite of financial cutbacks). He is a Member of the Boroughs of Cleveland Pollution Control Group (Industrial Pollution), also an Executive Member and President of the Federation of Burial and Cremation Authorities, Vice-Chairman of 'Tidy North' Regional Committee and National Executive Member of Keep Britain Tidy Group and member of the Finance and S&P Committee as well as President of Middlesbrough Mentally Handicapped Society.

NICHOLAS M. ROSS, MBIM, MInstM, represents the Low Temperature Coal Distillers' Association. Having joined the National Coal Board in 1967, he served in Marketing Departments in Yorkshire and the Midlands. In 1978 he joined National Smokeless Fuels Ltd. and in 1981 took up an appointment with the NCB/SFAS as Sales Manager for Merseyside, West Cheshire, West Lancashire and the Isle of Man. In 1985 he was seconded to NCB Industrial Branch and in May of that year joined the Coalite Group plc as General Sales Manager "Coalite" and a Director of Coalite Fuels and Chemicals. In September 1989 he was appointed Commercial Director of Coalite Smokeless Fuels. Mr. Ross served as Secretary of the North Midlands Coal Industry Society from 1970 - 1979 and took the Chair in 1980. He is Chairman of the SSFF Publicity Committee, sits on the SSFF National Executive Committee and is the LTCDA representative on SFAS Regional Committees in Yorkshire, North West and London and is a co-opted member of the East Midlands Division of the NSCA.

PROFESSOR RICHARD S. SCORER, MA, PhD, represents the London and South East Division, NSCA, and serves on the Society's Technical Committee. He was Chairman of the Council of the Society 1978/79. His Books include 'Air Pollution' 1968 (Pergamon); 'Pollution in the Air - Problems, Policies and Priorities' 1973 (Routledge & Kegan Paul); 'Cloud Investigation by Satellite' 1986. 'Satellite as Microscope' 1990,

'Meteorology of Air Pollution' 1990 (Ellis Horwood); four colour filmstrips 'Air Pollution' 1959 & 1965 (Diana Wyllie); 'Clouds of the World' 1972, 'Spacious Skies' (with Arjen Verkaik) 1989 (David & Charles); 'Environmental Aerodynamics' (Ellis Horwood 1978); 'The Clever Moron' (Routledge & Kegan Paul 1977). He was in the Meteorological Office & RAF 1941/5 and was President of the Royal Meteorological Society 1986-88. He was appointed as Lecturer (Meteorology) Imperial College, 1949; as Reader (Applied Mathematics) in 1957, and became Professor (Theoretical Mechanics) in 1962. He is a Fellow of the Meteorological Society (Hon. Sec. 1956/60), Fellow of the Royal Society of Health, Fellow of the Royal Aeronautical Society, Fellow of the Royal Society of Arts, Fellow of the Institute of Mathematics and its Applications. He was Founder Editor of the International Journal of Air Pollution (now Atmos. Env.). He was a member of the Clean Air Council from 1968 until its demise and Chairman of CAC's Technical Committee from its inception. He was an Alderman, London B. of Merton (1971/78) and on the Metropolitan Water Board 1971/74. Professor Scorer was awarded the title Emeritus Professor in 1982 and is now a Senior Research Fellow in Mathematics and Environmental Technology at Imperial College.

JACK B. SIMPSON has been a member of North West Divisional Council, NSCA, since 1980. A founder member and Honorary Technical Officer of the Manchester Area Pollution Advisory Council and Chairman of its Technical Advisory Committee from 1986 until re-organisation of the Council in 1989. He is currently Chairman of the MAPAC Air group. Qualified in 1961 whilst employed by Lancaster CC, he joined Failsworth UDC in 1963, becoming Chief Public Health Inspector in 1972. On amalgamation into Oldham MBC in 1974 he became Principal Environmental Health Officer (Pollution and Noise Control) and in 1984 was promoted to Divisional EHO (Specialists).

BILL F. SNOW, MIEH, MInstWM, is a Past Chairman of the Council of the Society, Chairman of the Society's Parliamentary and Local Government Committee, and represents the North West Division, NSCA. He commenced Local Government service in 1958 as a student Public Health Inspector, Border RDC, Carlisle. He was appointed district Public Health Inspector to Accrington BC in 1962 and Deputy Chief Public Health Inspector to Warrington RDC in 1969. He was appointed to the post of Chief Environmental Health Officer to Warrington BC in 1974. The post was redesignated to its present title Assistant Director of Technical Services (Environmental Health) in April 1989. Bill Snow has been a member of the North West Divisional Council since 1976 and was elected Chairman, for a 2 year term, in 1981. He has served on the Council and Technical Committee of the Society since 1979, being Chairman of the latter from November 1984 until 1988.

CLLR. LIS (MRS. B. J.) SOLKHON represents the London and South East Division, NSCA, and is a member of the Society's Conference and Promotions Committee. On being elected to Brighton BC in 1979 Lis Solkhon chose Environmental Health as her main Council Committee. She became Chairman in 1982 and has attended NSCA Conferences as a Council delegate each year since, becoming a member of the London & South East Division in 1988. She is a writer and broadcaster and lectures on media skills, training personnel for Local Authorities and commercial companies. She is a member of Sussex University Council, a school Governor, and heavily involved with music and the arts. She is a member of the Institute of Journalists and of the Institute of Public Relations.

CLLR. HARRY I. THOMAS is currently Vice Chairman of the South and Mid Wales Division of NSCA and is a Member of the Conference and Promotions Committee. He was first elected as Councillor in May 1967. Being a past Mayor of Lliw Valley BC, Councillor Thomas is currently the Chairman of the Council's Amenities Committee, which is responsible for all matters relating to environmental health and leisure activities. Councillor Thomas also represents his Council on the West Glamorgan Joint Environmental Pollution Committee. He is a member of the West Wales Advisory Committee of the Sports Council of Wales and is a member of the West Glamorgan Health Authority, and the Swansea and Lliw Valley Community Health Council.

KEVIN E. THOMAS represents the Scottish Division, NSCA, having joined in 1990. He commenced a local government career in 1967 as a sanitary inspector with Ayr CC. In 1976 he gained a BSc from Strathclyde University and joined Cunninghame DC as Chief Assistant Environmental Health Officer and has worked on many pollution projects. In 1980 he instigated Cunninghame's smoke control programme. As a member of the Institute of Acoustics he contributed a chapter on noise control to the Environmental Health Reference Book, Butterworths 1988.

TREVOR TOWNSEND, MIEH, FRSH, represents the West Midlands Division and is a member of the Noise Committee. He is currently Deputy Director of Environmental Health with Cannock Chase DC. He qualified as an Environmental Health Officer in 1964 and has since held senior appointments with several local authorities, mainly specialising in environmental pollution. He is the past Technical Secretary of the Midlands Joint Advisory Council for Clean Air and Noise Control and is currently a lecturer and examiner for both the Environmental Health Officers Examination Board and the Royal Society of Health's Diploma in Air Pollution Control.

RAYMOND TURNER represents West Midlands Division, NSCA. He is a Worcester City Councillor and Deputy Mayor 1990 - 1991, Mayor Elect 1991 - 1992. He is governor of two local schools, an active trade unionist and senior health and safety representative. He served for eight years in the Royal Navy.

CLLR. WILLIAM P. URMSTON has represented North West Division NSCA on behalf of Warrington BC since 1981. He was elected onto the North West Divisional Council in 1989 and the Council of the society in 1990. As Warrington BC representative on the Manchester Area Pollution Control Advisory Council, he was elected Chairman for a three year term in 1988. He is also currently Chairman of the Environment Sub-Committee on Warrington BC and has served on the Environmental Health Committee since his election in 1979.

JOHN T. WADE, MSc, MIOA, MIEH represents the London and South East Division. He qualified as an Environmental Health Officer in 1977 and has Master of Science degrees in Environmental Pollution Science and Environmental Acoustics. He specialised in noise and air pollution matters during his last 4 years in local government and was one of the first people to use diffusion tubes to monitor environmental NO₂ concentrations in London. In 1987, he joined Aspinwall and Company Limited (environmental consultants) and currently is the Company's Manager of the Regional Office, London and the South-East, and technically heads a small but expanding acoustics and occupational health group. He is a member of the Society's Noise Committee and Secretary of the London Branch of the Institute of Acoustics and has lectured to various professional and student groups on noise and air pollution related problems and presented papers on hand-transmitted vibration. He holds membership of the Acoustical Society of America and is an Associate Member of the Institute of Noise Control Engineering.

ROBERT G. WEBB represents the Institution of Environmental Health Officers. He is a Fellow of the Institution of Environmental Health Officers and is the Deputy Chief Environmental Health Officer for Cheltenham BC. He was formerly Principal of the Environmental Protection Division and was closely involved in pollution problems.

ROBERT F. WEST, MIEH, MIOA, MInstWM represents the NSCA South and Mid Wales Division. He qualified in 1968 with a Diploma in Public Health from the University of Wales, Institute of Science and Technology. He is currently employed as a Divisional Environmental Health Officer responsible for Pollution Control with Cardiff

CC. He is a member of the Society's Technical Committee and is also involved with other regional committees and working groups dealing with waste management, radiation and pollution related topics.

THOMAS W. YELLOWLEY, MBE, represents the Northern Division. He was elected to the Newcastle-upon-Tyne CC in May 1963. He is Chairman of the AMA Environmental Health and Consumer Affairs Committee and member of LACOTS. Cllr. Yellowley was Vice Chairman of the Northern Division, NSCA, in 1976, Chairman, Northern Division in 1977 and Vice Chairman again 1978 to date. He currently serves on the Finance and Administration Committee.

BERNARD H. YOUNG, FIEH, represents the South West Division and is a long standing member of the Society. He served as a Health Inspector with Willesden Borough Council and the Royal Borough of Kensington, and after moving to Andover RDC was appointed Chief Public Health Inspector to the Council in 1959. He moved to a similar position with Newton Abbot RDC in 1970 and on re-organisation of Local Government he was appointed as Chief Environmental Health Officer in Teignbridge DC which post he currently holds. He is particularly concerned with the pollution of rivers and its effects on the cultivation of shellfish, particularly oysters produced in polluted waters and much research has been carried out by the Health Department in this field. He has also been actively involved in the investigation and control of atmospheric pollution caused by the handling of dirty cargoes in docks.



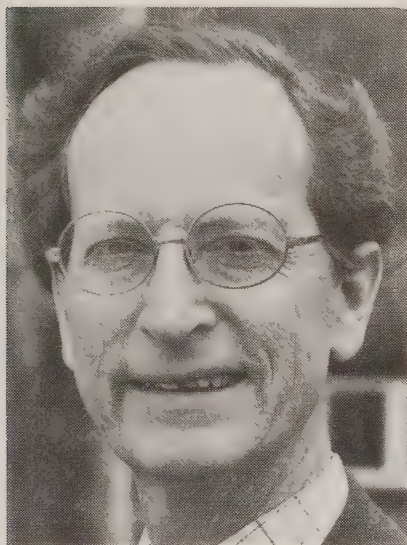
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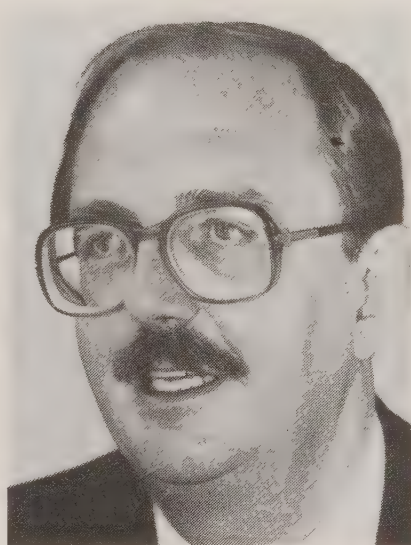
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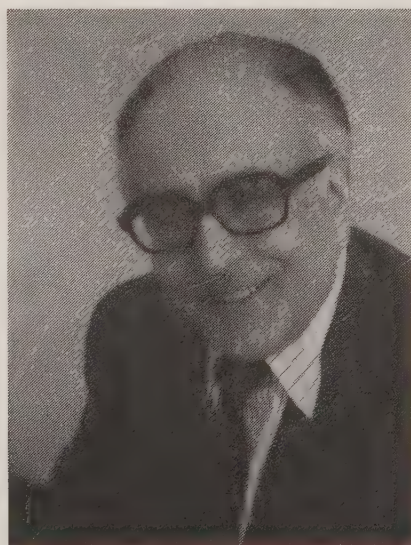
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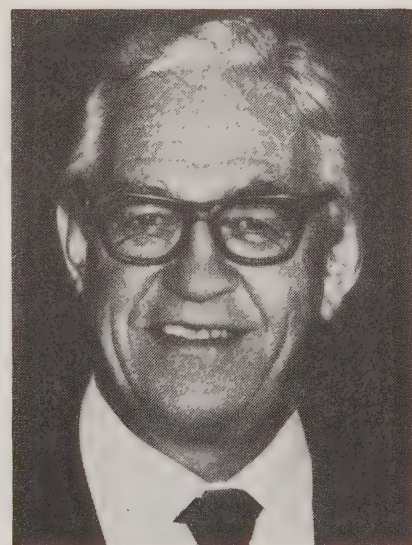
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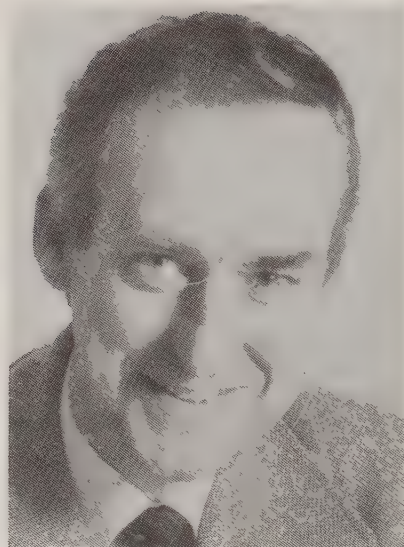
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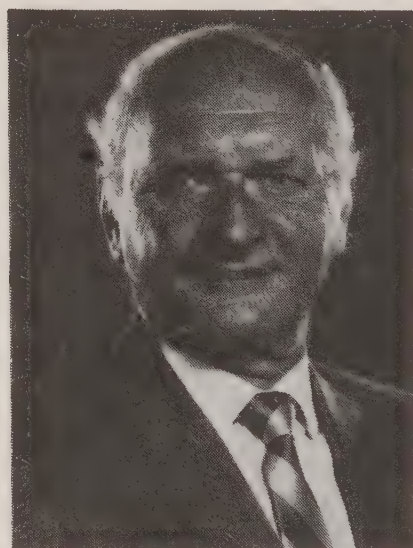
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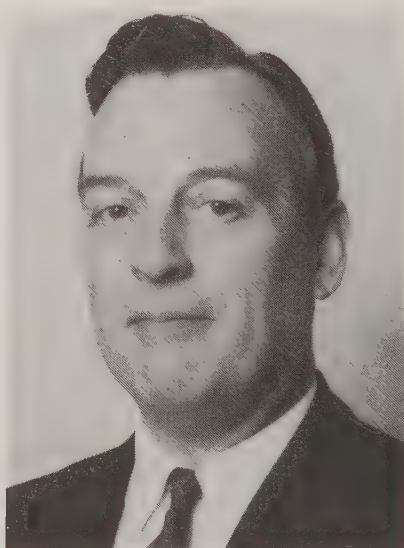
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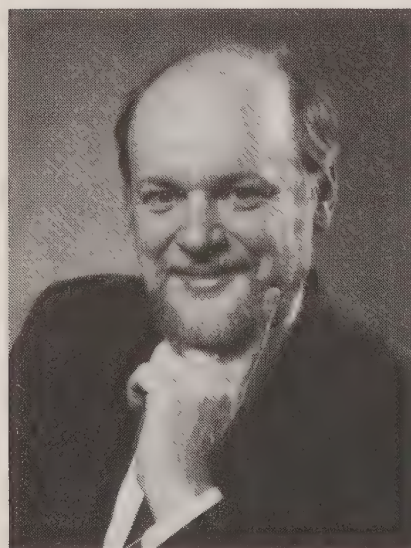
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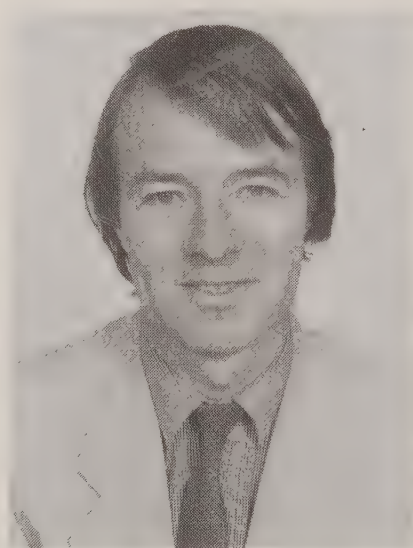
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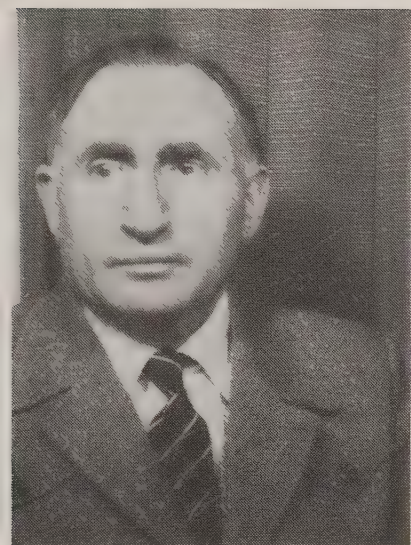
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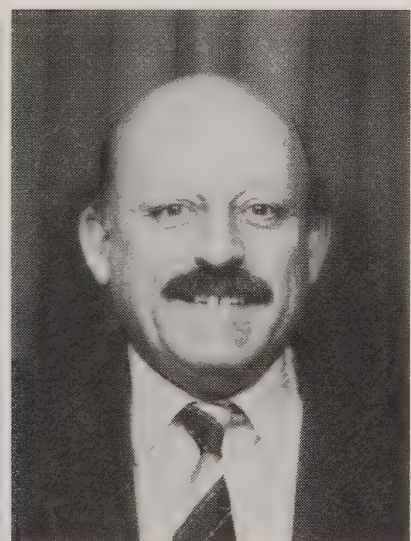
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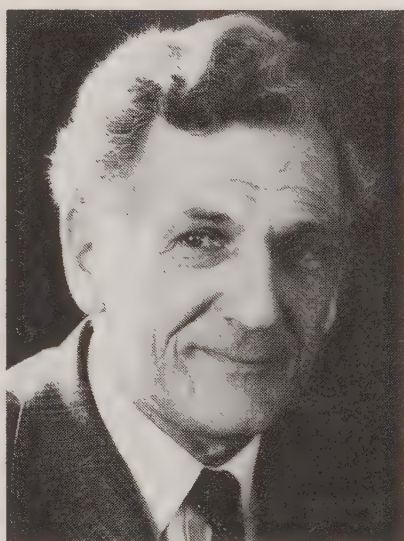
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R S Chamberlain



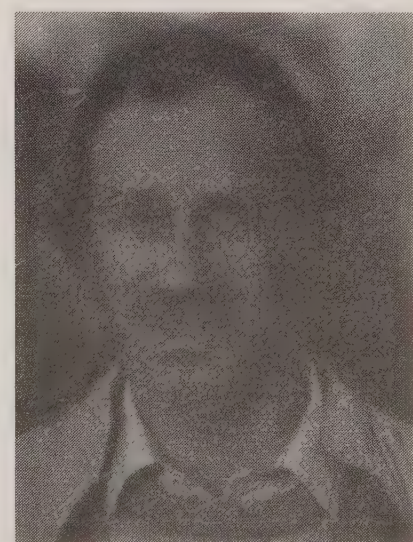
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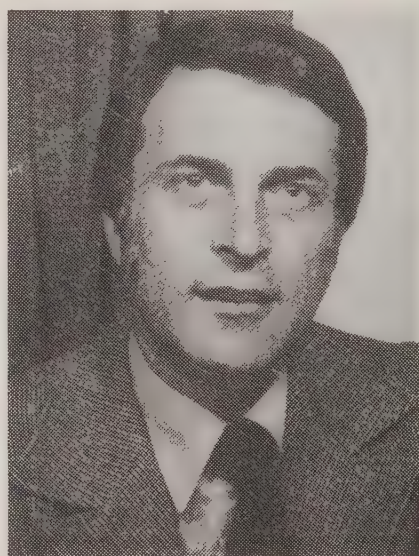
K R Enderby



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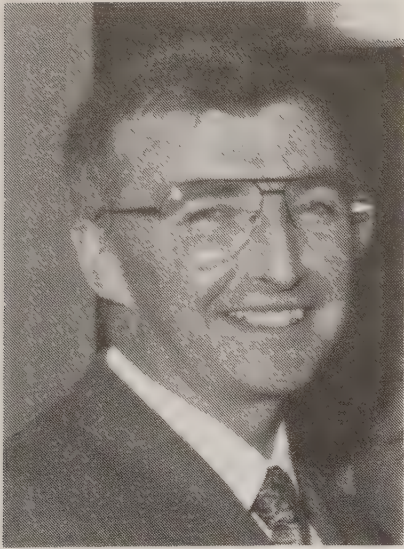
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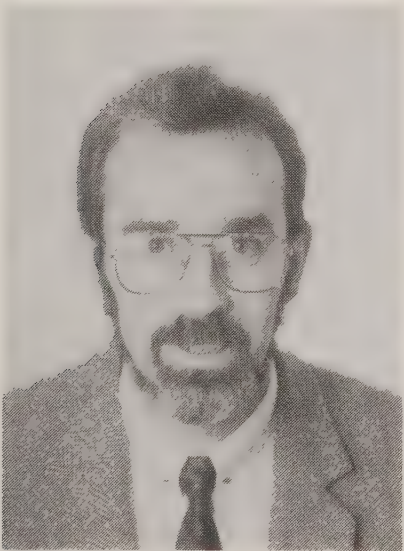
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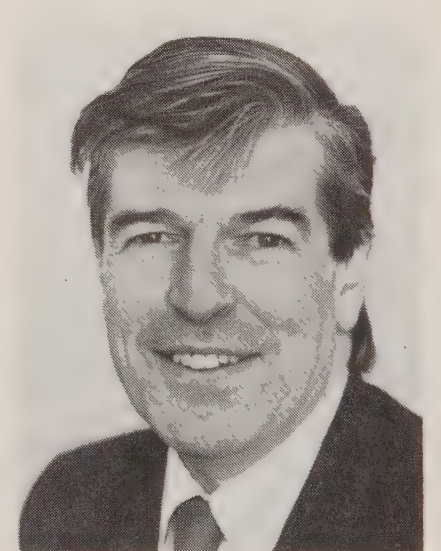
I Mackay



G McCurdy



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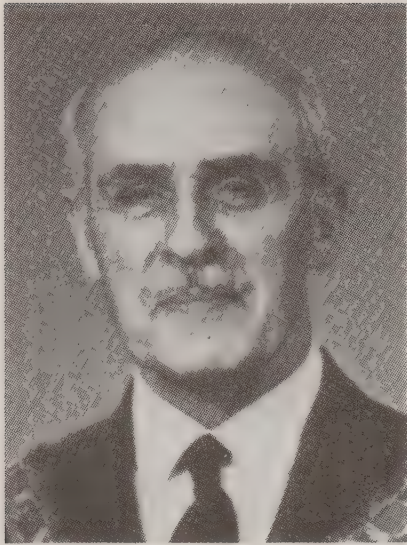
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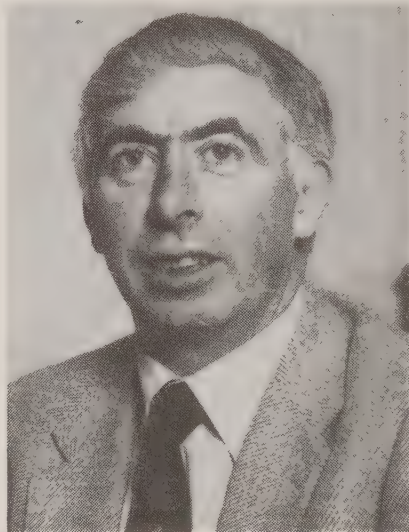
N M Ross



Prof R S Scorer



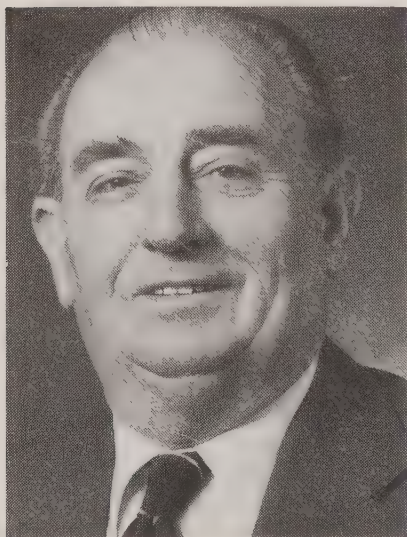
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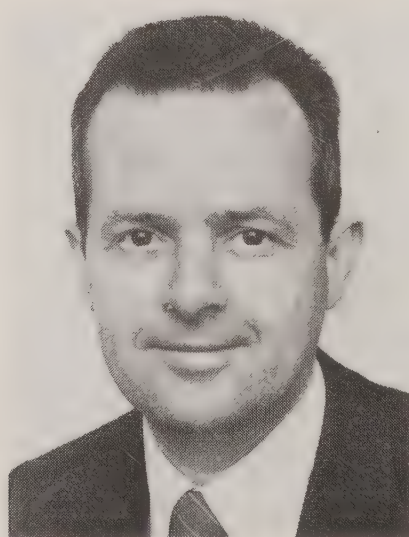
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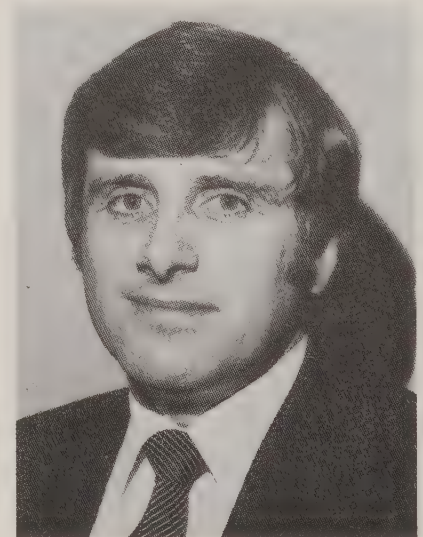
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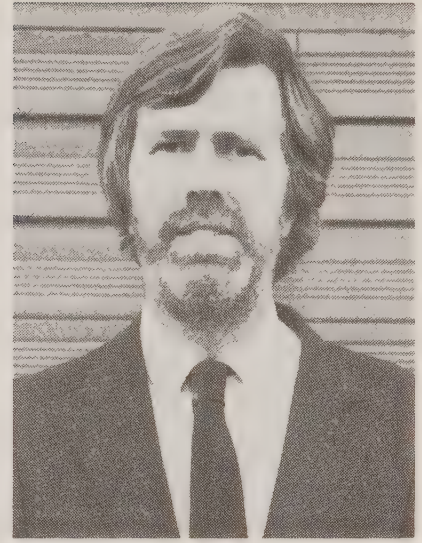
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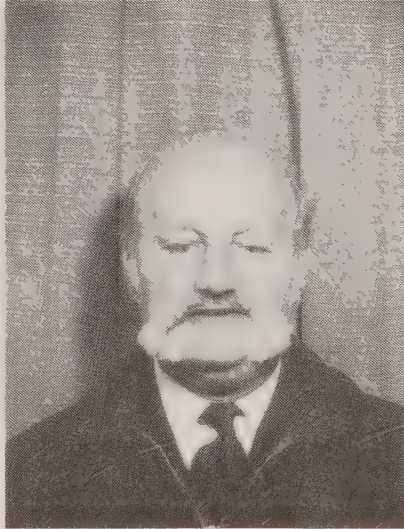
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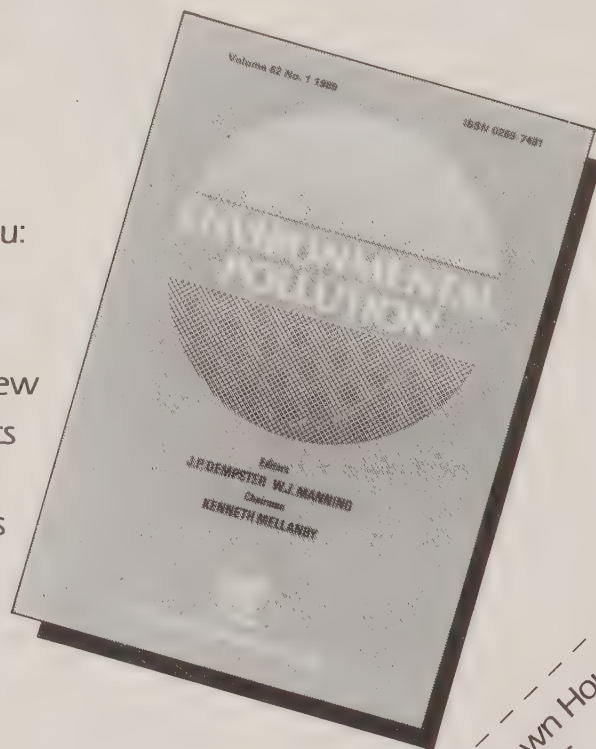
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Northamptonshire, Nottinghamshire.*

EASTERN

Essex, Norfolk, Suffolk.

Chairman: K.R. Enderby

Hon. Secretary: D. Romaine

Housing and Environmental Services

Department, Derby City Council,

The Council House, Corporation Street,
Derby DE1 2FD

Telephone: 0332 255228

MEMBERSHIP LIST EAST MIDLANDS

LOCAL AUTHORITY MEMBERS

Amber Valley District Council
Ashfield District Council
Bassetlaw District Council
Bolsover District Council
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Corby District Council
Derby City Council
Derbyshire Dales District Council

Erewash Borough Council
 Fenland District Council
 Gedling District Council
 Harborough District Council
 High Peak Borough Council
 Hinckley & Bosworth Borough Council
 Huntingdonshire District Council
 Leicester City Council
 Lincoln City Council
 Mansfield District Council
 Newark & Sherwood District Council
 North East Derbyshire District Council
 North Kesteven District Council
 North West Leicestershire District Council
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 Peterborough City Council
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 South Holland District Council
 South Kesteven District Council
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 Coalite Smokeless Fuels
 Combustion Developments Ltd
 Derbyshire College of Higher Education
 HM Inspectorate of Pollution
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 Chemistry
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Hampshire, Isle of Wight, Oxfordshire.*

Chairman: Mrs E.M.L. Naylor

Hon. Secreatry: J.J. Beagle

19 Oxgate Gardens, Brent,
London NW2 6EA

Telephone: 081 452 0203

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Bexley, London Borough of
Brent, London Borough of
Brighton Borough Council
Bromley, London Borough of
Broxbourne Borough Council
Crawley Borough Council
Croydon, London Borough of
Dacorum Borough Council
Dartford Borough Council
Dover District Council
Ealing, London Borough of
Eastbourne Borough Council
Elmbridge Borough Council
Enfield, London Borough of
Epsom & Ewell District Council
Gravesham Borough Council
Greenwich, London Borough of
Guildford Borough Council
Hackney, London Borough of
Hammersmith & Fulham, London
Borough of
Harrow, London Borough of
Havering, London Borough of
Horsham District Council
Hounslow, London Borough of
Islington, London Borough of

Kensington & Chelsea, Royal Borough of
Kingston upon Thames, Royal Borough of
Lewes District Council

Lewisham, London Borough of
London, City of

Merton, London Borough of
Richmond upon Thames, London
Borough of

Rochester upon Medway Borough Council
Rother District Council

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Surrey Heath Borough Council

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Tower Hamlets, London Borough of
Watford Borough Council

Westminster, City of
Woking Borough Council
Worthing Borough Council

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Bacons School
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British Gas
British Steel
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Guinness, Son & Co, Arthur
HM Inspectorate of Pollution
Imperial Chemical Industries Plc
Institute of Petroleum, The
Institution of Environmental Health
Officers, The
Institution of Gas Engineers, The
Johnson Matthey Plc - Catalytic Systems
Division
LSS - Rendel Scientific Services Ltd
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Sabre Gas Detection Ltd
Shell UK Ltd
Shell UK Oil Ltd
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 Rodriguez, Mrs J.
 Scannell, K.
 Scorer, Professor R.S. *
 Sharp, D.H.
 Shillito, D.
 Simms, K.L.
 Skea, Dr J.
 Smith, Mrs P. *
 Southwood, R.M.
 Sullivan, Mrs C.A.
 Thomas, A.O.
 Thompson, I.
 Turner, Dr W.C. *
 Valentin, Dr F.H. *
 Vine, Mr & Mrs G.M. *

Walder, A.N.
Wallin, S.C. *
Willcox, Mrs M.C.T.R.
Williams, I.

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Slough Borough Council
South Bedfordshire District Council
South Oxfordshire District Council
Southampton City Council
Wokingham District Council
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Calor Gas Ltd
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Esso Petroleum Company Ltd
HM Inspectorate of Pollution

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Verdin, A.
Wythers, J.R.G. *

DIVISION ELEVEN SOUTH WEST

*Avon, Cornwall, Devon, Dorset,
Gloucestershire, Somerset, Wiltshire.*

Chairman: H. Dawson

Hon. Secretary: K. Horton

Environmental Health Department,
Woodspring DC, Town Hall,
Weston-super-Mare, Avon BS23 1UJ
Telephone: 0934 634509

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Avon County Council
Bath City Council
Bournemouth Borough Council
Bristol City Council
Cheltenham Borough Council
Cotswold District Council
Exeter City Council
Forest of Dean District Council
Gloucester City Council
Mendip District Council

North Wiltshire District Council
Northavon District Council
Plymouth City Council
Poole Borough Council
South Hams District Council
Stroud District Council
Teignbridge District Council
Thamesdown Borough Council
Torbay Borough Council
Wansdyke District Council
Woodspring District Council

CORPORATE MEMBERS

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British Gas
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Enviro Technology Services Ltd
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Dickerson, D.S.
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Hannabuss, G.H. *
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Thomas, R.V.
Turner, D.
Upton, B.C. *

Vick, J.L.
Wade, Dr R.J.
Wright, D.

**DIVISION TWELVE
SOUTH AND MID WALES**

Wales except Clwyd and Gwynedd.
Chairman: Cllr H. Thomas
Hon. Secretary: T. Jones
28 Maes-y-celyn, Griffithstown,
Pontypool, Gwent NP4 5DG
Telephone: 0633 838444

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Blaenau Gwent Borough Council
Cardiff City Council
Cynon Valley Borough Council
Islwyn Borough Council
Llanelli Borough Council
Lliw Valley Borough Council
Merthyr Tydfil Borough Council
Mid Glamorgan County Council
Neath Borough Council
Newport Borough Council
Port Talbot Borough Council
Preseli Pembrokeshire District Council
Rhondda Borough Council
Rhymney Valley District Council
Swansea City Council
Taff Ely Borough Council
Torfaen Borough Council
Vale of Glamorgan Borough Council
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CORPORATE MEMBERS

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British Gas
British Steel
HM Inspectorate of Pollution
South Glamorgan Institute of Higher
Education
Swansea Port Health Authority

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Parry, J.W. *

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**FUTURE NSCA
WORKSHOP AND CONFERENCES**

WORKSHOP

OXFORD

9 - 11 APRIL 1991

58th Clean Air Conference & Exhibition

EASTBOURNE

21 - 24 OCTOBER 1991

59th Clean Air Conference & Exhibition

BOURNEMOUTH

19 - 22 OCTOBER 1992

60th Clean Air Conference & Exhibition

BRIGHTON

4 - 7 OCTOBER 1993

61st Clean Air Conference & Exhibition

BLACKPOOL

24 - 27 OCTOBER 1994

SECTION 5

Smoke Control Areas

SMOKE CONTROL AREAS

Programmes and Progress

Section 11 of the Clean Air Act 1956 allows a local authority to make a smoke control order. When this is in operation it is an offence for an occupier of premises to allow smoke emission from a chimney unless the fuel is authorised or the fireplace is exempt (full list of authorised fuels and exempted fireplaces in NSCA Pollution Handbook).

The following lists contain the names of the local authority areas implementing smoke control areas - figures have been compiled directly from information submitted by local authorities. Due to the financial constraints imposed on local authorities, many 'Target Dates for Programme Completion' and 'Final Acreage When Completed' figures have not yet been decided. The figures are for the position on 31st March 1990 and some authorities' figures will have changed since that date. The fourth column for each local authority shows the percentage of the total Council area covered by smoke control. It should be remembered, however, that some predominantly rural authorities will show a low figure in this column even though the proportion of premises covered may be high.

Many of the new smoke control orders being made in urban areas are to bring them into line with EC directive 80/779/EEC - Directive on air quality limit values and guide values for SO₂ and suspended particulates - brought into force 1982, with some heavily polluted areas being given exemption up to 1993.

The British Isles divisions, issued by the Department of the Environment, are listed below.

DEPARTMENT OF THE ENVIRONMENT DIVISIONS

EAST ANGLIA	Norfolk, Suffolk.
EAST MIDLANDS	Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire, Cambridgeshire.
GREATER LONDON	
NORTH WEST	Cheshire, Greater Manchester, Lancashire, Merseyside.
NORTHERN	Cleveland, Cumbria, Durham, Northumberland, Tyne & Wear.
NORTHERN IRELAND	
SCOTLAND	
SOUTH EAST	Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Essex, Hampshire, Hertfordshire, Kent, Oxfordshire, Surrey, West Sussex.

SOUTH WEST	Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.
WALES	Clwyd, Dyfed, Gwent, Gwynedd, Mid Glamorgan, Powys, South Glamorgan, West Glamorgan.
WEST MIDLANDS	Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.
YORKSHIRE & HUMBERSIDE	Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

KEY	
Comp	= completed;
n/k	= not known;
Susp	= programme suspended;
Cld	= programme cancelled;
x	= no return received this year, previously submitted figures used.

	Target Date Comp		Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
EAST ANGLIA						
Cambridge CC	Susp	x	n/k	24858	14%	n/k
King's Lynn & West Norfolk BC	n/k		841	841	0.2%	4474
Norwich CC	Susp		9654	1535	16%	3483
Peterborough CC	n/k	x	82424	6157	7.5%	26535

EAST MIDLANDS

Amber Valley DC	1990		19300	3971	6%	8519
Ashfield DC	1994	x	23936	16478	61%	28708
Bassetlaw DC	1993	x	157496	11348	7.2%	23312
Blaby DC	Comp 1987		9365	9365	29%	22243
Bolsover DC	1993	x	39876	6000	15%	7796
Broxtowe BC	Comp 1986		21336	21336	75%	58364
Chesterfield BC	1991		16418	16264	99%	39600
Corby DC	Comp 1988		2540	2540	13%	11785
Derby BC	Comp 1985	x	19282	19282	100%	90233
Erewash BC	2002		7577	4033	15%	17060
Gedling BC	1995	x	6573	5683	22%	30800
High Peak BC	Comp 1986		4114	4114	3%	14148
Leicester CC	Comp 1975		17232	17232	100%	108878
Lincoln CC	Comp 1984		8828	8828	100%	41803
Mansfield DC	1990		19007	17805	94%	41142
NE Derbyshire DC	n/k		68484	20838	30%	27986
Newark & Sherwood DC	1991		8237	5935	3.7%	9404
North Kesteven DC	Susp	x	n/k	299	0.1%	983
Northampton CC	1992		19931	3953	20%	18500
Nottingham CC	1991		18365	16833	92%	79092
Oadby & Wigston BC	Susp		n/k	145	5.9%	903
Rushcliffe BC			3229	3229	3%	13053
South Derbyshire DC	n/k	x	n/k	1716	2%	4253
South Kesteven DC	n/k		n/k	3837	1.6%	14593

GREATER LONDON

Barking & Dagenham	Comp 1985		8886	8886	100%	70118
Bexley	Comp 1976		15847	15847	100%	89886
Brent	Comp 1975		10934	10934	100%	108418
Bromley	Comp 1979		29600	29600	79%	137000
Camden	Comp 1968		5365	5365	100%	88214
Corp. of London	Comp 1955		679	679	100%	17360
Croydon	Susp	x	21395	13164	62%	106000
Ealing	Comp 1972		13707	13707	100%	126370
Enfield	Comp 1977		20061	20061	100%	89187

	Target Date Comp	Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
Greenwich	Comp 1972	11297	11297	100%	101870
Hackney	Comp 1967	4814	4814	100%	n/k
Hammersmith & Fulham	Comp 1967	3988	3988	100%	73000
Haringey	Comp 1970	7491	7491	100%	84452
Harrow	Comp 1975	12553	12553	100%	78089
Havering	Comp 1979	29650	29650	100%	100700
Hillingdon	Comp 1986	27260	27260	100%	107872
Hounslow	Comp 1972	14460	14460	100%	94967
Islington	Comp 1969	9091	9091	100%	82000
Kensington & Chelsea	Comp x	2950	2950	100%	25288
Kingston upon Thames	Comp 1980	9135	9135	100%	55738
Lambeth	Comp 1978	6738	6738	100%	106400
Lewisham	Comp x	n/k	n/k	n/k	n/k
Merton	Comp 1977	9380	9380	100%	65800
Newham	Comp 1982	8987	8987	100%	88462
Redbridge	Comp 1971	13961	13961	100%	77000
Richmond-upon-Thames	Comp x	12866	12866	92%	88914
Southwark	Comp 1988	7114	6276	88%	116300
Sutton	Comp x	10732	10732	100%	67730
Tower Hamlets	Comp 1968	4872	4872	100%	n/k
Waltham Forest	Comp 1985	9804	9804	100%	89900
Wandsworth	Comp x	8861	8861	100%	121407
Westminster	Comp 1970	2880	2540	88%	116300

NORTH WEST

Blackburn BC	Comp 1986	13044	13044	38.4%	48000
Bolton MBC	1994	34527	31315	92%	99428
Burnley BC	Comp 1980	23700	23700	82%	42050
Bury MBC	Susp	24505	18020	74%	52604
Chorley MBC	n/k x	n/k	353	2.2%	3159
Crewe & Nantwich BC	n/k	n/k	1957	1.8%	8731
Ellesmere Port BC	Comp 1982	3897	3897	21%	23114
Halton BC	Comp 1980	17121	17121	90%	41300
Hyndburn BC	Comp 1980	41046	41046	92%	37976
Knowsley MBC	Susp	n/k	6359	23%	51295
Lancaster CC	n/k	n/k	2402	5.7%	9478
Macclesfield BC	n/k	n/k	304	0.2%	2635
Manchester CC	Comp 1985	28723	28723	100%	213468
Oldham MBC	1990	21362	21362	60.7%	102788
Pendle DC	Comp x	14964	14964	36%	29500
Preston BC	Comp 1985	8347	8347	26%	48675
Ribble Valley BC	n/k x	n/k	2177	2%	848

	Target Date Comp	Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
Rochdale MBC	Comp 1989	30724	30724	70%	78222
Rossendale BC	1991	31100	23500	69%	23609
Salford City MBC	Comp 1978	23942	23942	100%	90279
Sefton MBC	n/k	14742	2587	5.7%	13463
South Ribble BC	2000	27454	8498	31%	29953
St. Helens MBC	1991	30461	30162	91.5%	69487
Stockport MBC	n/k x	31147	24707	79%	103145
Tameside MBC	Comp 1984	25500	25500	100%	100711
Trafford MBC	Comp 1981	24781	24781	100%	102304
Vale Royal DC	n/k x	n/k	6928	7%	10422
Warrington BC	Comp 1983	41350	41350	95%	68429
West Lancashire DC	Clld	n/k	71701	n/k	14236
Wigan MBC	n/k x	49160	27794	57%	73255
Wirral MBC	n/k x	38622	22730	59%	96241

NORTHERN

Allerdale DC	1993 x	8816	1413	0.4%	4348
Alnwick DC	n/k x	n/k	4.7	<1%	76
Blyth Valley BC	1992	17600	13507	77%	22795
Carlisle CC	Susp	6092	898	0.3%	4200
Castle Morpeth BC	1987	2534	2534	1.7%	6155
Darlington BC	Comp 1987	6469	6469	13.1%	35482
Derwentside DC	n/k	n/k	834	n/k	3978
Easington DC	1993	7697	4601	80%	10189
Gateshead MBC	1993	35372	25854	73%	76885
Hartlepool BC	Comp 1982	9073	9073	39%	34506
Langbaugh-on-Tees BC	1993 x	n/k	12063	20.7%	44478
Middlesbrough BC	Comp 1979	13319	13319	100%	n/k
Newcastle-upon-Tyne MBC	Comp 1978	34500	34500	100%	135000
North Tyneside MBC	1990	8377	8353	99.7%	91015
Sedgefield DC	n/k	n/k	1210	2.2%	5900
South Tyneside MBC	1990 x	16285	14524	90%	68002
Stockton-on-Tees BC	1988 x	16225	15842	38%	58506
Sunderland BC	1993	12184	10286	29.7%	41915

NORTHERN IRELAND

Antrim DC	1976 x	740	740	0.6%	7096
Ards BC	Clld	n/a	105.3	0.05%	823
Armagh DC	n/k x	n/k	5	n/k	96
Ballymena BC	Susp	n/k	325	0.9%	890
Belfast CC	1996	26218	8319	31.7%	58582
Castlereagh DC	n/k	6338	5428	26.2%	19196

	Target Date Comp	Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
Down DC	n/k	n/k	482	<1%	1098
Larne BC	n/k	n/k	5	0.01%	192
Newtownabbey DC	n/k	n/k	1776	5%	7084
North Down DC	n/k	n/k	435	2.4%	1100
Strabane DC	Comp 1974	54	54	-	750

SCOTLAND

Bearsden & Milngavie	n/k	x	n/k	8800	98%	15550
Clackmannan DC	n/k	x	39680	642	1.6%	3883
Clydebank DC	Comp	x	9240	9240	100%	19415
Cunninghame DC	1992	x	1302	609	0.3%	2036
Dumbarton DC	2005	x	11787	4301	3.7%	11126
Dundee DC	Comp 1981		12654	12654	100%	69778
Dunfermline DC	Susp	x	n/k	931	1%	5309
East Kilbride DC	n/k	x	10250	5000	15%	25000
Edinburgh CC	1995	x	64000	26699	41%	95306
Ettrick & Lauderdale DC	n/k	x	n/k	1766	0.07%	6842
Falkirk DC	1993	x	13625	13525	18.1%	37406
Glasgow CC	1992	x	50037	43790	87.5%	307375
Hamilton DC	n/k	x	32378	4167	12.9%	15737
Inverclyde DC	n/k	x	n/k	1789	5%	8869
Kilmarnock & Loudoun DC	n/k	x	n/k	101	0.1%	577
Kirkcaldy DC	n/k	x	61366	5839	9.5%	7083
Kyle & Carrick DC	Comp 1974		98	98	0.04%	156
Monklands DC	2000		40500	6241	15%	21581
Motherwell DC	n/k	x	n/k	878	2%	6518
Nithsdale DC	n/k	x	n/k	2081	48%	3356
Renfrew DC	n/k	x	21986	21986	29%	71500
Roxburgh DC	n/k	x	1240	425	0.1%	1900
Stirling DC	n/k	x	n/k	200	0.2%	2000
Strathkelvin DC	n/k	x	64000	5156	8%	10000
West Lothian DC	n/k	x	103401	6121	6%	15456

SOUTH EAST

Aylesbury Vale DC	Susp	x	3594	913	<1%	5230
Basildon DC	Susp		n/k	4528	16.5%	21682
Bracknell DC	Susp	x	n/k	3811	14%	27811
Brentwood DC	n/k		n/k	14903	40%	2856
Brighton BC	Susp		1472	1472	10%	24392
Broxbourne BC	Comp 1988		12911	12911	100%	38553
Canterbury CC	n/k	x	77207	2625	0.3%	2965
Dacorum DC	n/k	x	3731	3731	7%	15000

	Target Date Comp		Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
Dartford BC	Comp	x	17267	17267	n/k	31035
Elmbridge BC	n/k		1	1	<0.1%	n/k
Epping Forest DC	n/k	x	n/k	600	0.7%	2463
Gillingham BC	Comp 1979		11023	11023	99.1%	42252
Gravesham BC	Comp 1985		4532	4532	18%	25278
Guildford BC	Susp		n/k	2885	4%	10517
Harlow DC	Comp 1968		6320	6320	90%	30000
Hertsmere DC	n/k		24169	2121	8.7%	7913
Kingston-upon-Thames RB	Comp 1980		3697	3697	100%	55738
Luton BC	Comp 1979		10657	10657	100%	79129
Milton Keynes BC	Susp		7862	7862	10%	24507
North Bedfordshire BC	Comp 1987		5436	5436	4%	35723
North Hertfordshire DC	n/k		1342	1342	1.55%	5000
Oxford CC	Susp		1534	941	61%	35000
Portsmouth CC	Susp		9248	n/k	16.8%	19039
Reading BC	Susp	x	9106	5959	10%	32560
Rochester-Medway BC	n/k	x	n/k	6383	16%	19974
Sevenoaks DC	Clld	x	n/k	1341	1%	3684
Slough BC	Comp 1989		2757	2757	100	n/k
South Oxfordshire DC	n/k		n/k	506	0.3%	450
Southampton CC	n/k	x	4254	4254	35%	30892
Spelthorne BC	n/k	x	13880	11752	85%	30896
Stevenage BC	Comp 1982		6257	6257	100%	39000
Thurrock BC	n/k	x	n/k	10130	22.2%	22761
Watford BC	Comp 1979		5275	5275	100%	36064
Windsor/Maidenhead RB	Clld		n/k	831	6%	2655
Wycombe DC	Comp	x	3818	3818	5%	21500
SOUTH WEST						
Bath CC	1993		7091	1866	26%	20906
Bristol CC	Comp 1988		26516	26516	100%	155340
Cheltenham BC	1996		8537	1134	13.3%	5838
Exeter CC	n/k		11040	6499	60%	17746
Kingswood BC	n/k		n/k	13	<1%	130
Northavon DC	1991		6068	5570	4.8%	8805
WALES						
Alyn & Deeside DC	n/k		n/k	50	0.1%	400
Delyn DC	Comp 1984		486	486	0.7%	816
Newport BC	n/k		n/k	67	0.1%	1178
Swansea CC	1989	x	249	198	0.3%	2147
Wrexham Maelor BC	Susp		2916	2166	2%	10390

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	Target Date Comp		Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
WEST MIDLANDS						
Birmingham CC	Comp 1986		65335	65335	27%	459328
Cannock Chase DC	Comp 2000		100	279	0.002%	1500
Coventry MBC	Comp 1984		23856	23856	100%	76659
Dudley MBC	1988	x	24202	24202	100%	132500
East Staffordshire DC	1992	x	4120	3420	3%	16189
Lichfield DC	1993		7412	6357	7.8%	15240
Newcastle-under-Lyme BC	1993		n/k	7351	14.1%	31124
North Shropshire DC	Susp		1310	512	0.3%	1800
North Warwickshire BC	1993		12355	10168	14%	14801
Nuneaton & Bedworth BC	1994		14815	10020	67.6%	25452
Rugby BC	Comp 1979		7010	8112	9%	22535
Sandwell MBC	Susp		21150	6536	31%	34446
Solihull MBC	Susp		n/k	12127	27%	50631
South Staffordshire DC	Susp		15814	5186	1.8%	7369
Staffordshire Moorlands DC	1994		6178	2520	1.8%	7369
Stoke-on-Trent CC	1989		22949	14185	62%	61993
Tamworth BC	Susp		7648	4830	63%	21850
Walsall MBC	1992		26266	21390	81.4%	91000
Warwick DC	n/k		2737	2737	10%	36003
Wolverhampton MBC	Susp		17031	13261	78%	77148
Worcester CC	1993		7672	5198	67.8%	20344
Wrekin DC	Susp		19311	9159	13%	19966
Wyre Forest DC	n/k		n/k	639	1.3%	6733

YORKSHIRE & HUMBERSIDE

Barnsley MBC	1994	x	37065	20900	26.7%	45517
Bradford MBC	n/k		91444	59838	56%	180106
Calderdale MBC	n/k		n/k	40630	45.2%	83000
Chester-le-Street DC	1994		850	n/k	n/k	n/k
Craven DC	Comp	x	8498	8498	29%	8207
Doncaster MBC	1996		142600	37413	26.2%	72978
Glanford BC	n/k	x	139346	15264	11%	5135
Harrogate BC	1993	x	8500	3643	1.1%	19880
Hull CC	1992		17599	11420	65%	91456
Kingston-upon-Hull CC	1993	x	17599	9331	53%	65767
Kirklees MBC	1993		41441	15676	37.8%	122333
Leeds CC	Susp		138441	75605	54.6%	223463
Rotherham MBC	1992		69880	33620	48%	61816
Ryedale DC	n/k	x	n/k	296	<1%	2202
Scunthorpe BC	Comp 1981		8337	8337	100%	24270
Selby DC	1990		7653	5438	7%	8501

		Target Date Comp	Final Acreage	Acreage (In Op) 31.3.90	% of total covered	Premises (In Op) 31.3.90
Sheffield CC	Comp	1978	63146	63146	100%	230000
Wakefield MDC		1996	33320	15392	46%	77822
York CC		1990 x	7273	6184	85%	33603

SECTION 6

Directory of Environmental and Related Organisations

For ease of reference entries in this Directory are arranged in alphabetical order with a classified index. Brief descriptions are included of organisations whose titles are not self-explanatory. Organisations are listed in alphabetical order and classified under the following headings:

Air Pollution
Built Environment
Consumer Issues
Countryside Conservation
Development
Energy
Environmental Education
Environmental Law
General Environmental
Health

Industrial Organisations
Local Government Organisations
Meteorology
Noise Pollution
Pesticides
Research
Transport
Waste/Recycling
Water Pollution

International organisations are listed in a separate International Directory.

ACID RAIN INFORMATION CENTRE (ARIC)

Dept of Environmental & Geographical Studies
Manchester Polytechnic
Chester Street, Manchester M1 5GD
Tel: 061 228 6171 ext 2421

ACTION ON SMOKING AND HEALTH (ASH)

5-11 Mortimer Street
London WIN 7RH
Tel: 071 637 9843

AIRFIELDS ENVIRONMENT FEDERATION (AEF)

West Wing
5-11 Lavington Street
London SE1 ON2
Tel: 071 928 4933

ASBESTOS REMOVAL CONTRACTORS' ASSOCIATION

1 High Street, Chelmsford
Essex CM1 1BE
Tel: 0245 259755

ASSOCIATION FOR THE CONSERVATION OF ENERGY (ACE)

9 Sherlock Mews
London W1M 3RH
Tel: 071 935 1495

ASSOCIATION FOR THE PROTECTION OF RURAL SCOTLAND

14a Napier Road
Edinburgh EH10 5AY
Tel: 031 229 1898

ASSOCIATION FOR THE REDUCTION OF AIRCRAFT NOISE (ARRAN)

11 First Street
London SW3
Tel: 071 584 1848

ASSOCIATION OF BRITISH SOLID FUEL APPLIANCE MANUFACTURERS (ABSAM)

Fleming House, Renfrew Street
Glasgow G3 6TG
Tel: 041 332 0826

ASSOCIATION OF COUNTY COUNCILS (ACC)

Eaton House, 66A Eaton Square
London SW1W 9BH
Tel: 071 235 1200

ASSOCIATION OF DISTRICT COUNCILS (ADC)

26 Chapter Street,
London SW1W 4ND
Tel: 071 233 6868

ASSOCIATION OF INDUSTRIAL FILTER AND SEPARATOR MANUFACTURERS

15 Took's Court
London EC4 1LA
Tel: 071 405 5445

ASSOCIATION OF METROPOLITAN AUTHORITIES (AMA)

35 Great Smith Street
London SW1P 3BJ
Tel: 071 222 8100

ASSOCIATION OF NOISE CONSULTANTS

Spectrum House
20-26 Cursitor Street
London EC4A 1HY
Tel: 071 405 2088

ASTHMA SOCIETY

300 Upper Street
London N1 2XX
Tel: 071 226 2260

ATOMIC ENERGY RESEARCH ESTABLISHMENT (AERE)

Division 364
Harwell Laboratory
Oxfordshire OX11 0RA
Tel: 0235 821111

BP OIL LTD

BP House, Victoria Street
London SW1E 5SN
Tel: 071 821 2000

BRITISH COAL

Hobart House
Grosvenor Place
London SW1X 7AE
Tel: 071 235 2020

BRITISH COMBUSTION EQUIPMENT MANUFACTURERS' ASSOCIATION

See GAMBICA

BRITISH CYCLING FEDERATION (BCF)

16 Upper Woburn Place
London WC1H 09E
Tel: 071 381 9320

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BRITISH GAS PLC

Rivermill House, 152 Grosvenor
Road, London SW1V 3JL
Tel: 071 821 1444

BRITISH INTERNAL COMBUSTION ENGINE RESEARCH INSTITUTE LTD

111-112 Buckingham Avenue
Trading Estate, Slough
Berkshire SL1 4PH
Tel: 0753 27371

BRITISH LUNG FOUNDATION

Kingsmead House
250 Kings Road
London SW7
Tel: 071 376 5735

BRITISH NUCLEAR ENERGY SOCIETY (BNES)

1-7 Great George Street
London SW1P 3AA
Tel: 071 630 0726

BRITISH STANDARDS INSTITUTION

British Standard House
2 Park Street
London W1A 2BS
Tel: 071 629 9000

BRITISH WIND ENERGY ASSOCIATION (BWEA)

4 Hamilton Place
London W1N 0BQ
Tel: 071 499 3515

BUILDING RESEARCH ESTABLISHMENT

Building Research Station
Garston, Watford WD2 7JR
Tel: 0923 674040
Research in building design and materials.

CENTRE FOR ALTERNATIVE TECHNOLOGY (CAT)

Machynlleth
Powys SY20 9A2
Tel: 0654 2400
Working demonstration and information on
sustainable technologies.

CENTRE FOR INTERNATIONAL ENVIRONMENTAL LAW (CIEL)

Kings College London
Manresa Road, London SW3
Tel: 071 376 8644
Promotion and development of the use of
international environmental law.

CIVIC TRUST

17 Carlton House Terrace
London SW1Y 5AW
Tel: 071 930 0914
Maintains standards of environmental quality and
management in the inhabited environment.

CLEAR (Campaign for Lead-Free Air)

3 Endsleigh Street
London WC1H 0DD
Tel: 071 387 4970
Campaign for the protection of the environment from
lead and other vehicle emissions.

CLIMATE ACTION NETWORK

287 City Road
London EC1V 1LA
Tel: 071 490 6046
International information exchange.

COAL RESEARCH ESTABLISHMENT

Stoke Orchard
Cheltenham, Glos GL52 4RZ
Tel: 0242 673361

COMBINED HEAT AND POWER ASSOCIATION

3rd Floor, Grosvenor Gardens House,
35-37 Grosvenor Gdns.
London SW1W 0BS
Tel: 071 828 4077

COMBUSTION ENGINEERING ASSOCIATION

Mount Lodge
Station Parade
Sunningdale, Berks
Tel: 0990 25035

CONFEDERATION OF BRITISH INDUSTRY (CBI)

Centre Point, 103 New Oxford
Street, London WC1A 1DU
Tel: 071 379 7400

CONSERVATION TRUST

George Palmer Site
Northumberland Avenue
Reading, Berkshire RG2 7PW
Tel: 0734 868442
Information on population/environment/resources.

CONSUMERS ASSOCIATION (CA)

2 Marylebone Road
London NW1 2DX
Tel: 071 486 5544
Research and publications on consumer goods and services.

CONVENTION OF SCOTTISH LOCAL AUTHORITIES

Rosebery House, 9 Haymarket Terrace
Edinburgh EH12 5XZ
Tel: 031 346 1222

COUNCIL FOR ENVIRONMENTAL EDUCATION (CEE)

School of Education
University of Reading
London Road, Reading RG1 5AQ
Tel: 0734 756061
Coordinating body for promotion of environmental education.

COUNCIL FOR THE PROTECTION OF RURAL ENGLAND (CPRE)

Warwick House
25 Buckingham Palace Road
London SW1W 0PP
Tel: 071 976 6433

COUNCIL FOR THE PROTECTION OF RURAL WALES (CPRW)

Ty Gwyn, 31 High Street
Welshpool, Powys SY21 7JP
Tel: 0938 2525

COUNTRYSIDE COMMISSION

John Dower House, Crescent
Place, Cheltenham
Gloucestershire GL50 3RA
Tel: 0242 521381

COUNTRYSIDE COMMISSION FOR SCOTLAND

Battleby, Redgorton
Perth PH1 3EW
Tel: 0738 27921

CYCLE CAMPAIGN NETWORK

Tress House, 3 Stamford
Street, London SE1 9NT
Tel: 071 928 7220

DEPARTMENT OF ENERGY

Thames House South
Millbank, London SW1 4QJ
Tel: 071 238 3000

DEPARTMENT OF HEALTH

Richmond House
79 Whitehall, London SW1A 2NS
Tel: 071 407 5522

DEPARTMENT OF THE ENVIRONMENT (DOE)

Air and Noise Division
Romney House, 43 Marsham Street
London SW1P 3PY
Tel: 071 276 8322
& General Switchboard
Tel: 071 276 3000

DEPARTMENT OF TRADE & INDUSTRY (DTI)

1 Victoria Street,
London SW1H 0ET
Tel: 071 215 5000

DEPARTMENT OF TRANSPORT (DOT)

2 Marsham Street
London SW1P 3EB
Tel: 071 276 3000

DOMESTIC SOLID FUEL APPLIANCES APPROVAL SCHEME

Hobart House, Grosvenor Place
London SW1X 7AE
Tel: 071 235 2020, ext. 34953

DTI ENVIRONMENTAL ENQUIRY POINT

Tel: Freephone 0800 585 794
(Warren Spring Laboratory)

EARTH RESOURCES RESEARCH (ERR) LTD

258 Pentonville Road
London N1 9JY
Tel: 071 278 3833
Investigation and promotion of environment and resource issues.

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ELECTRIC VEHICLE DEVELOPMENT GROUP (EVDG)

33/34 Alfred Place
London W1
Tel: 071 241 6800

ENERGY TECHNOLOGY SUPPORT UNIT (ETSU)

Energy Efficiency Branch
Building 156, AERE Harwell
Didcot, Oxon OX11 0RA
Tel: 0235 834621

ENVIRONMENT COUNCIL

80 York Way
London N1 9AG
Tel: 071 278 4736/7
Umbrella body for UK non-governmental environmental organisations.

ENVIRONMENTAL DATA SERVICES LTD (ENDS)

Unit 24, Finsbury Business Centre
40 Bowling Green Lane
London EC1R 0NE
Tel: 071 278 4745/7624

ESSO UK plc

Victoria Street
London SW1E 5JW
Tel: 071 834 6677

FILTRATION SOCIETY

48 Springfield Road
Horsham
West Sussex
RH12 2PD
Tel: 0403 59419

FRIENDS OF THE EARTH

26-28 Underwood Street
London N1 7JQ
Tel: 071 490 1555
Campaigns on a range of local and national environmental issues.

FRIENDS OF THE EARTH (SCOTLAND)

53 George IV Bridge
Edinburgh EH1 1EJ
Tel: 031 225 6906

GAMBICA (The Association for the Instrumentation, Control & Automation Industry in the UK)

Leicester House
8 Leicester Street
London WC2H 7BN
Tel: 071 437 0678

GREEN ALLIANCE

60 Chandos Place, London WC2N 4HG
Tel: 071 836 0341/8670
Information and coordination on environmental policy and politics.

GREENPEACE LTD

30-31 Islington Green
London N1 8XE
Tel: 071 388 2117

HEALTH AND SAFETY COMMISSION (HSC)

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF
Tel: 071 243 6000
Promoting the protection of people at work and the public from industrial hazards.

HEALTH AND SAFETY EXECUTIVE (HSE)

Baynards House
1 Chepstow Place, Westbourne Grove
London W2 4TF
Tel: 071 221 0870
Enforcement of health and safety law in industrial premises.

HEALTH EDUCATION AUTHORITY

Hamilton House, Mabledon Place
London W2 4TF
Tel: 071 631 0930

HEATING AND VENTILATING CONTRACTORS

ASSOCIATION (HCVA)

ESCA House
34 Palace Court
Bayswater
London W2 4JG
Tel: 071 229 2488

HM INSPECTORATE OF POLLUTION (HMIP)

Romney House
43 Marsham Street
London SW1P 3PY
Tel: 071 276 8647

HMIP NORTH DIVISION

Stockdale House, 8 Victoria Road
 Headingley Business Park
 Leeds LS6 1PF
 Tel: 0532 786636

HMIP NORTHERN IRELAND

Department of the Environment
 for Northern Ireland, Calvert House,
 23 Castle Place
 Belfast BT1 1FY
 Tel: 0232 230560

HMIP SCOTLAND

Scottish Development Department
 27 Perth Street
 Edinburgh EH3 5RB
 Tel: 031 244 3056

HMIP WEST DIVISION

Jupiter Road, Patchway
 Bristol BS12
 Tel: 0272 311211

**INSTITUTE FOR EUROPEAN
 ENVIRONMENTAL POLICY (IEEP)**

3 Endsleigh Street
 London WC1H 0DD
 Tel: 071 388 2117
 Analysis and promotion of environmental policy in
 Europe.

INSTITUTE OF ENERGY

18 Devonshire Street
 London W1N 2AU
 Tel: 071 580 7124

INSTITUTE OF PETROLEUM

61 New Cavendish Street
 London W1M 8AR
 Tel: 071 636 1004

**INSTITUTE OF ROAD TRANSPORT
 ENGINEERS**

1 Cromwell Place, Kensington
 London SW7 2JF
 Tel: 071 589 3744

**INSTITUTE OF SOUND AND VIBRATION
 RESEARCH**

Building 15A, The University,
 Southampton SO9 5NH
 Tel: 0703 559122

INSTITUTION OF CIVIL ENGINEERS

1 Great George Street
 London SW1P 3AA
 Tel: 071 222 7722

**INSTITUTION OF ENVIRONMENTAL
 HEALTH OFFICERS (IEHO)**

Chadwick House
 Rushworth Street
 London SE1 0QT
 Tel: 071 928 6006

**INSTITUTION OF MECHANICAL
 ENGINEERS, (IMECHE)**

1 Birdcage Walk
 London SW1H 9JJ
 Tel: 071 222 7899

INSTITUTION OF PLANT ENGINEERS

138 Buckingham Palace Road
 London SW1W 9SG
 Tel: 071 730 0469

INSTITUTION OF WASTES MANAGEMENT

3 Albion Place
 Northampton NN1 1UD
 Tel: 0604 20426

INSTITUTION OF WATER

15 John Street
 London WC1N 2EB
 Tel: 071 831 3110

**INTERNATIONAL CENTRE FOR
 CONSERVATION
 EDUCATION (ICCE)**

Greenfield House
 Guiting Power
 Cheltenham GL54 5TZ
 Tel: 0451 5777
 To promote understanding of conservation and
 sustainable development worldwide.

**INTERNATIONAL INSTITUTE FOR
 ENVIRONMENT &
 DEVELOPMENT/EARTHSCAN**

3 Endsleigh Street
 London WC1H 0DD
 Tel: 071 388 2117
 Promotion of environment and economic
 development.

**INVESTIGATION OF AIR POLLUTION
STANDING CONFERENCE (IAPSC)**

Warren Spring Laboratory
Gunnels Wood Road
Stevenage
Tel: 0438 741122

LONDON BOROUGH ASSOCIATION

Westminster City Hall
Victoria Street
London SW1E 6QP
Tel: 071 798 2736

LONDON WASTE REGULATION AUTHORITY

Hampton House
20 Albert Embankment
London SE1 7TJ
Tel: 071 587 3000

**LOW FREQUENCY NOISE SUFFERERS
ASSOCIATION (LFNSA)**

6 Hyatt Place, Shepton Mallet
Somerset BA4 SXY
Tel: 0749 345643

**LOW TEMPERATURE COAL DISTILLERS'
ASSOCIATION OF GREAT BRITAIN LTD**

P.O. Box 21, Chesterfield
Derbyshire S44 6AB
Tel: 0246 822281/9

**MANCHESTER AREA POLLUTION
ADVISORY COUNCIL (MAPAC)**

Environmental Health Department
Town Hall, Manchester M60 2JB
Tel: 061 234 5000

MARINE CONSERVATION SOCIETY

9 Gloucester Road, Ross-on-Wye
Herefordshire
HR9 5BU
Tel: 0989 66017

METEOROLOGICAL OFFICE

London Road, Bracknell
Berkshire RG12 2SZ
Tel: 0344 420242

**MIDLAND JOINT ADVISORY COUNCIL FOR
CLEAN AIR AND NOISE CONTROL**

Environmental Health and Consumer
Services Dept. Dudley MBC
4 Ednam Road
Dudley, W. Midlands DY1 1RW
0384 452607

**MINISTRY OF AGRICULTURE
FISHERIES & FOOD (MAFF)**

Whitehall Place
London SW1A 2HH
Tel: 071 233 3000

**MONITORING AND ASSESSMENT
RESEARCH CENTRE
(MARC)**

The Old Coach House
Campden Hill
London W8 7AD
Tel: 071 376 1577

**MOTOR INDUSTRY RESEARCH
ASSOCIATION**

Watling Street, Nuneaton
Warwickshire CV10 OTU
Tel: 0203 348541

**NATIONAL ASSOCIATION OF WASTE
DISPOSAL CONTRACTORS (NAWDC)**

Mountbarrow House, 6-20 Elizabeth Street
London SW1W 9RB
Tel: 071 824 8882

NATIONAL CONSUMER COUNCIL (NCC)

20 Grosvenor Gardens
London SW1W 0DH
Tel: 071 730 3469
Research and promotion of consumer issues.

**NATURAL ENVIRONMENT RESEARCH
COUNCIL (NERC)**

Polaris House, North Star Avenue
Swindon SN2 1EU
Tel: 0793 40101

**NATIONAL INDUSTRIAL FUEL
EFFICIENCY SERVICE LTD (NIFES)**

NIFES House
Sinderland Road, Broadheath
Altrincham, Cheshire WA14 5HQ
Tel: 061 928 5791

**NATIONAL RADIOLOGICAL PROTECTION
BOARD**

Chilton, Didcot
Oxfordshire OX11 0R9
Tel: 0235 831600

NATIONAL RIVERS AUTHORITY (NRA)

30-34 Albert Embankment
London SE1 7TL
Tel: 071 820 0101

**NATIONAL TRUST for Places of
Historic Interest or Natural Beauty**
36 Queen Anne's Gate
London SW1H 9AS
Tel: 071 222 9251

NATURE CONSERVANCY COUNCIL (NCC)
Northminster House
Peterborough PE1 1UA
Tel: 0733 40345
Government body promoting nature conservation.

NEIGHBOURHOOD ENERGY ACTION
2nd Floor, 2/4 Bigg Market
Newcastle upon Tyne NW1 1UW
Tel: 091 261 5677
Aims to publicise and solve the problem of fuel poverty.

NOISE ABATEMENT SOCIETY
PO Box No. 8, Bromley
Kent BR2 0UH
Tel: 081 460 3146

NUCLEAR ELECTRIC PLC
Barnett Way, Barnwood
Gloucester GL4 7RS
Tel: 0452 65222

**NUCLEAR INDUSTRY RADIOACTIVE
WASTE EXECUTIVE (NIREX)**
Building 173.6, AERE
Harwell, Didcot
Oxon OX11 0RA
Tel: 0235 835153

**PARLIAMENTARY AND SCIENTIFIC
COMMITTEE**
30 Farringdon Street
London EC4A 4EA
Tel: 071 634 1480

PESTICIDES TRUST
c/o 20 Compton Terrace
London N1 2UN
Tel: 071 354 3860
To raise awareness of health and environmental implications of pesticides.

PLANTLIFE
c/o The Conservation Foundation
1 Kensington Gore
London SW7 2AR
To protect and create plant-rich habitats.

POWERGEN
Moat Lane, Solihull BN91 2JN
Tel: 021 701 2000

**ROYAL COMMISSION ON
ENVIRONMENTAL POLLUTION (RCEP)**
Church House, Great Smith Street
London SW1P 3BL
Tel: 071 276 2080

**ROYAL ENVIRONMENTAL HEALTH
INSTITUTE OF SCOTLAND (REHIS)**
Virginia House, 62 Virginia
Street, Glasgow G1 1TX
Tel: 041 552 1533

**ROYAL INSTITUTE OF PUBLIC
HEALTH AND HYGIENE (RIPHH)**
28 Portland Place
London W1N 4DE
Tel: 071 580 2731/2

ROYAL METEOROLOGICAL SOCIETY
James Glaisher House
Grenville Place, Bracknell
Berkshire RG12 1BX
Tel: 0344 422957

SCOTTISH DEVELOPMENT DEPARTMENT
Environmental Protection Division,
27 Perth Street
Edinburgh EH3 5RB
Tel: 031 556 8400

SHELL UK LTD
PO Box 148, Shell-Mex House
Strand, London WC2R 0DX
Tel: 071 257 3000

**SOCIETY OF BRITISH
GAS INDUSTRIES**
36 Holly Walk, Leamington Spa
Warwickshire CV32 4LY
Tel: 0926 34357/8/9

SOCIETY OF ENVIRONMENTAL ENGINEERS
Owles Hall, Buntingford
Herts
Tel: 0763 71209

**SOCIETY OF MOTOR MANUFACTURERS
AND TRADERS**
Forbes House, Halkin Street
London SW1X 7DS
Tel: 071 235 7000

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SOLAR ENERGY SOCIETY (UK-ISES)

King's College London, Atkins Building South (128),
Campton Hill Road, London W8 7AH
Tel: 071 938 2919

SOLID SMOKELESS FUELS FEDERATION

Devonshire House, Church Street
Sutton-in-Ashfield
Nottinghamshire NG17 1AE
Tel: 0623 550411

SOUND RESEARCH LABORATORIES

The Coach House
49 East Street
Colchester, Essex CO1 2TG
Tel: 0206 870025

SUSTAINABILITY

The People's Hall, 91-97 Freston Road,
London W11 4BD
Tel: 071 243 1277

TEXACO LTD

1 Knightsbridge Green
London SW1X 7QJ
Tel: 071 584 5000

TIDY BRITAIN GROUP

The Pier, Wigan
Greater Manchester
WN5 4EX
Tel: 0942 824620

TOWN AND COUNTRY PLANNING ASSOCIATION (TCPA)

17 Carlton House Terrace
London SW1Y 5AS
Tel: 071 930 8903/4/5
Campaign for improvement of the environment
through effective planning.

TRANSPORT 2000

Walkden House
10 Melton Street
Euston, London NW1 2EJ
Tel: 071 388 8386
Promotion of environmentally sound and socially
responsible transport policies.

TRANSPORT AND ROAD RESEARCH LABORATORY (TRRL)

Department of Transport
Old Wokingham Road
Crowthorne, Berkshire RG11 6AU
Tel: 0344 773131

UK ATOMIC ENERGY AUTHORITY (UKAEA)

11 Charles II Street
London SWY 4QP
Tel: 071 930 5454

UK CENTRE FOR ECONOMIC & ENVIRONMENTAL DEVELOPMENT (CEED)

12 Upper Belgrave Square
London SW1X 8BA.
Tel: 071 245 6440
Promotion of sustainable development.

UK ENVIRONMENTAL LAW ASSOCIATION (UKELA)

c/o Linklaters and Paines
Mitre House, 160 Aldersgate Street
London EC1 ALLP
Tel: 071 606 7080
Encourage collaboration in environmental law and
promotion of it.

UK PETROLEUM INDUSTRY ASSOCIATION (UKPIA)

9 Kingsway,
London WC2B 6XH
Tel: 071 240 0289

WARMER CAMPAIGN (Warmth and Energy from Rubbish)

83 Mount Ephraim
Tunbridge Wells, Kent TN4 8BS
Tel: 0892 24626
Promotion of the recovery of materials and energy
from household waste.

WARREN SPRING LABORATORY

Gunnels Wood Road
Stevenage, Herts SG1 2BX
Tel: 0438 741122
DTI laboratory researching in air pollution
monitoring and abatement. DTI Environmental
Enquiry point: Freephone 0800 585 794

WASTEWATCH

26 Bedford Square
London WC1B 3HV
Tel: 071 636 4066
National Agency for the promotion of recycling.

WATCH trust for Environmental Education

22 The Green, Nettleham
Lincoln LN2 2NR
Tel: 0522 752326

WATT Committee on Energy

Savoy Hill House, Savoy Hill

London WC2R OBU

Tel: 071 379 6875

Promotion of research and development on all aspects of energy.

WOMEN'S ENVIRONMENTAL NETWORK

287 City Road

London EC1U 1LA

Tel: 071 490 2511

WOMEN'S GAS FEDERATION

Orchard House

14 Great Smith Street

London SW1P 3BU

Tel: 071 222 3677

WORLDWIDE FUND FOR NATURE (WWF)

Panda House, Weyside Park

Godalming, Surrey GU7 1XR

Tel: 0483 426444

CLASSIFIED INDEX

Air Pollution

Acid Rain Information Centre

Campaign for Lead-Free Air (CLEAR)

Climate Action Network

Department of the Environment

Friends of the Earth

Friends of the Earth (Scotland)

Greenpeace Ltd

Investigation of Air Pollution Standing Conference

Manchester Area Pollution Advisory Council

Midland Joint Advisory Council of Clean Air and Noise Control

Monitoring and Assessment Research Centre

Pesticides Trust

Warren Spring Laboratory

WATCH Trust for Environmental Education

Worldwide Fund for Nature

Built Environment

Building Research Establishment

Civic Trust

Institution of Civil Engineers

National Trust

Town and Country Planning Association

Consumer Issues

Consumers Association

National Consumer Council

Sustainability

Countryside Conservation

Association for the Protection of Rural Scotland

Conservation Trust

Council for the Protection of Rural England

Council for the Protection of Rural Wales

Countryside Commission

Countryside Commission for Scotland National Trust

Nature Conservancy Council

Plantlife

WATCH Trust for Environmental Education

Worldwide Fund for Nature

Development

International Institute for Environment & Development

UK Centre for Economic & Environmental Development

Energy

Association for the Conservation of Energy
Association of British Solid Fuel Appliance Manufacturers
Atomic Energy Research Establishment
British Coal
British Gas plc
British Nuclear Energy Society
British Wind Energy Association
BP Oil Ltd
Centre for Alternative Technology
Coal Research Establishment
Combined Heat and Power Association
Combustion Engineering Association
Department of Energy
Domestic Solid Fuel Appliances Approval Scheme
Energy Technology Support Unit
ESSO UK plc
Heating and Ventilating Contractors Association
Institute of Energy
Institute of Petroleum
National Industrial Fuel Efficiency Service Ltd
National Power
National Radiological Protection Board
Neighbourhood Energy Action
Nuclear Electric plc
Nuclear Industry Radioactive Waste Executive
PowerGen
Shell UK Ltd
Society of British Gas Industries
Solar Energy Society
Solid Smokeless Fuels Federation
Texaco Ltd
UK Atomic Energy Authority
UK Petroleum Industry Association
Warmer Campaign (Warmth and Energy from Rubbish)
WATT Committee on Energy
Women's Gas Federation

Environmental Education

Centre for Alternative Technology
Conservation Trust
Council for Environmental Education
Institution of Water
WATCH Trust for Environmental Education
Worldwide Fund for Nature

Environmental Law

Centre for International Environmental Law
UK Environmental Law Association

General Environmental

Environment Council
Green Alliance
Parliamentary and Scientific Committee

Health

Action on Smoking and Health
Asthma Society
British Lung Foundation
Department of Health
Health and Safety Commission
Health and Safety Executive
Health Education Authority
Institution of Environmental Health Officers
Pesticides Trust
Royal Environmental Health Institute of Scotland
Royal Institute of Public Health and Hygiene

Industrial

Asbestos Removal Contractors' Association

Association of British Solid Fuel
 Appliance Manufacturers
 Association of Industrial Filter and
 Separator Manufacturers
 BP Oil Ltd
 British Coal
 British Combustion Equipment
 Manufacturers' Association
 British Gas plc
 British Standards Institution
 Combustion Engineering Association
 Confederation of British Industry
 Department of Trade and Industry
 DTI Environmental Enquiry Point
 ESSO UK Ltd
 Filtration Society
 GAMBICA
 Heating and Ventilating Contractors
 Association
 HM Industrial Pollution Inspectorate for
 Scotland
 HM Inspectorate of Pollution
 HMIP North Division
 HMIP Northern Ireland
 HMIP West Division
 Institution of Civil Engineers
 Institution of Mechanical Engineers
 Institution of Plant Engineers
 Low Temperature Coal Distillers'
 Association of Great Britain
 Motor Industry Research Association
 National Industrial Fuel Efficiency Service
 Ltd
 Shell UK Ltd
 Society of British Gas Industries
 Society of Environmental Engineers
 Texaco Ltd
 UK Petroleum Industry Association

Local Government Organisations

Association of County Councils
 Association of District Councils
 Association of Metropolitan Authorities

Convention of Scottish Local Authorities
 Institution of Environmental Health
 Officers
 London Boroughs Association
 Manchester Area Pollution Advisory
 Council
 Midland Joint Advisory Council for Clean
 Air and Noise Control
 Royal Environmental Health Institute of
 Scotland
 Scottish Development Department

Meteorology

Acid Rain Information Centre
 Climate Action Network
 Meteorological Office
 Royal Meteorological Society

Noise Pollution

Association for the Reduction of Aircraft
 Noise
 Association of Noise Consultants
 Department of the Environment
 Institute of Sound & Vibration Research
 Low Frequency Noise Sufferers
 Association
 Midland Joint Advisory Council for Clean
 Air and Noise Control
 Noise Abatement Society
 Sound Research Laboratories
 UK Environmental Law Association

Pesticides

Ministry of Agriculture, Fisheries & Food
 Pesticides Trust

Research

Acid Rain Information Centre
Asthma Society
British Lung Foundation
Building Research Establishment
Centre for Alternative Technology
Climate Action Network
Consumers Association
Earth Resources Research Ltd
Environmental Data Services Ltd
Institute for European Environmental
Policy
International Institute for Environment &
Development/Earthscan
National Consumer Council
National Environment Research Council
Royal Commission on Environmental
Pollution
Sustainability

Transport

Airfields Environment Federation
Association for the Reduction of Aircraft
Noise
British Cycling Federation
British Internal Combustion Engine
Research Institute Ltd
Campaign for Lead-Free Air (CLEAR)
Cycle Campaign Network
Department of Transport
Electric Vehicle Development Group
Environmental Transport Association
Institute of Road Transport Engineers
Motor Industry Research Association
Transport and Road Research Laboratory
Transport 2000
Society of Motor Manufacturers & Traders

Waste/Recycling

Friends of the Earth
Friends of the Earth (Scotland)

Greenpeace Ltd
Institution of Wastes Management
London Waste Regulation Authority
National Association of Waste Disposal
Contractors
Nuclear Industry Radioactive Waste
Executive
Tidy Britain Group
Warmer Campaign (Warmth and Energy
from Rubbish)
Wastewatch

Water Pollution

Department of the Environment
Friends of the Earth
Friends of the Earth (Scotland)
Greenpeace Ltd
Institution of Water
Marine Conservation Society

INTERNATIONAL DIRECTORY**NATIONAL ORGANISATIONS****ARGENTINA**

Asociacion Argentina Contra la Contaminacion Ambiental (AACCA)
 25 de Mayo 749 - 1º piso (1002)
 Buenos Aires, Argentina
 President: J. Carlos Decumex
 Tel: (+54-1) 312-1015; 394-3984/2374/6281

AUSTRALIA

Clean Air Society of Australia and New Zealand (CASANZ)
 P.O. Box 191
 Eastwood, New South Wales 2122
 Secretary: Dr J. R. Harry
 Tel: (+62-1) 4843563

BELGIUM

SCK/CEN Environmental Chemistry
 Boeretang 200
 B-2400 MOL
 Belgium
 Dr. H.J. Peperstraete
 Tel: (+32-14) 31.18.01

BRAZIL

Associacao Brasileira de Prevencao a Policao do are Defesa bo Meio Ambiente (ABPPOLAR)
 Rua Marques de Itu, 837
 So andar,
 CEP 01223
 Sao Paulo,
 Brazil
 President: Dr. Randolpho M. Labuto
 Tel: (+55-11) 2599968

CANADA

Environment Canada
 Terrasses de la Chaudiere
 10 Wellington Street
 Ottawa, Ontario, KIA 0H3
 Canada

CHINA

Chinese Society of Environmental Sciences (CSES)
 Xizhimennei Naniaojre 115
 Beijing 100035, China
 Secretary: Hou Xushong
 Tel: (+86-1) 6021006

DENMARK

Danish Association for the Protection of Nature
 Noerregade 2
 DK 1165 Copenhagen K

FINLAND

Finnish Air Pollution Prevention Society (FAPPS)
 PB 335
 SF-00131 Helsinki
 Executive Member: Ms Eija Lumme
 (+358-0) 1991367

FRANCE

Association pour la Prevention de la Pollution Atmospherique
 58 rue du Rocher, 75008 Paris
 President: M. Pierre Gaussens
 Tel: (+31 1) 42936207

GERMANY

Verein Deutscher Ingenieure (VDI) - Kommission Reinhaltung der Luft
 Postfach 1139
 Graf-Recke-Str, 84
 D-4000 Dusseldorf 1
 Secretary: Dr. Ing. Klaus Grefen
 Tel: (+49-211) 62140

HUNGARY

National Authority for Environment Protection and Nature Conservation
 PO Box 732
 H-1365 Budapest

ICELAND

Icelandic Association of Nature Conservation Societies
 Sundstraeti 24
 Isafiroi

INDIA

Indian Association for Air Pollution Control (IAAPC)
 Jawaharlal Nehru University
 PO Bag No. 03
 New Delhi - 110067
 President: Prof. J.M. Dave
 Tel: (+91-11) 665768

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ISRAEL

Israel Society for Ecology and Environmental Sciences (ISEEQS)
Department of Environmental Sciences,
The Hebrew University,
Jerusalem 91904,
Chairman: Prof. Menachem Luria
Tel: (+972-2) 636841

ITALY

**Comitato di Studio per
l'Inquinamento Atmosferico (CSIA)
within Associazione
Termotecnica Italiana (ATI)**
c/o ISMAR, Via Assarotti 15/8
16122 - Genova
President: Prof. G. Ferraiolo
Tel: (+39-10) 893922

JAPAN

**Japanese Union of Air Pollution
Prevention Associations (JUAPPA)**
Shuwa Toranomom No. 3 Bldg.
21-8 Toranomom 1 chome, Minato-ku
Tokyo 105
Director: M.Ue
Tel: (+81-3) 580-8808

KOREA

**The Korea Air Pollution
Research Association**
280-17, Bulkwang-Dong
Eunpyung-Gu
Seoul 122-040
Secretary: Mr. Kang-Rae Cho
Tel: (+ 82-2) 355-3029

MALAYSIA

**Environmental Protection Society
Malaysia (EPSM)**
Peti Surat 382, Petaling Jaya
Tel: (+60-3) 757767

MALTA

Society for Clean Air
8-10 Civic Centre, Senglea
Malta

MEXICO

Centro de Ciencias de la Atmosfera
Circuito Exterior, Ciudad Universitaria
CP 04510
Mexico 20 DF
Secretary: Dr. Humberto Bravo
Tel: (+52-5) 95 48 97 81

NETHERLANDS

**Society for Clean Air in
The Netherlands (CLAN)**
PO Box 186
2600 AD Delft
Tel: (+31-15) 696877
Secretary: Dr. J. van Ham

NEW ZEALAND

New Zealand Clean Air Society Inc.
P.O. Box 2363
Christchurch

**The Commissioner for the
Environment**
P.O. Box 10241
Wellington

NORWAY

**Norwegian Clean Air Association
(Ren Luft Foreningen - RLF)**
Kronprinsensgate 17
N-0251 Oslo 2
Secretary: Vigdis Ekeberg
Tel: (+47-2) 838330

PAKISTAN

Pollution Control Society of Sind
I-D, Ground Floor
Razia Commercial Centre
Nazimabad
Karachi -18
President: Mr. Mansoor R. Zaidi
Tel: (+92-21) 624434/628139

PAPUA NEW GUINEA

**Dept. of Environment and
Conservation**
PO Box 6601,
Boroko

PERU

**Asociacion Peruana Para la Contaminacion
Atmosferica**
Casilla No. 14.0246
Lima 14
President: M.A. Vizcarra Andreu

PORTUGAL

**Secretaria do Estado do Ambiente
e Recursos Naturais**
Rua do Seculo, 51
1200 Lisboa. (Government Dept.)

SAUDI ARABIA

**Meteorology and Environmental
Protection Administration (MEPA)**
PO Box 1358
Jeddah 21431
President: Abdulbar A. Al-Gain
Tel: (+966-2) 6512312

SINGAPORE

**Environmental Engineering Society
of Singapore, Clean Air Section**
c/o Faculty of Engineering
National University of Singapore
Kent Ridge Campus
Singapore 9111
Prof. K.K. Chin/Dr.S.K. Chou

SOUTH AFRICA

National Association for Clean Air
P.O. Box 5777
Johannesburg 2000
Director: Gordon H. Grange
Tel: (+27-11) 728 2418

SWEDEN

**National Swedish Environment
Protection Board,**
Box 1302
S-171 25 Solna

SWITZERLAND

**Schweiz. Vereinigung fur
Gesundheitstechnik (SVG)**
Postfach 305
CH-8035 Zurich
Contact: W. Hess

TAIWAN

Environmental Protection Society
c/o Institute of Chemistry
Academia Sinica
Taipei 11529
Tel: (+886-2) 738 7730

U.S.A.

Air and Waste Management Association
P.O. Box 2861
Pittsburgh, Pennsylvania 15230
Executive Vice President: Martin E. Rivers
Tel: (+1-412) 412 232 344

USSR

**All Russian Society for
Conservation of Nature**
Proezd Kuibyshev 3
Moscow K-12

YUGOSLAVIA

**Yugoslav Union of Air
Pollution Prevention Associations**
PO Box 79
71001 Sarajevo
Secretary: Dr. A. Knezevic

INTERNATIONAL ORGANISATIONS

**Commission of the European
Communities Information Office**
8 Storey's Gate
London SW1P 3AT
Tel: 071-222 8122

CONCAWE (Conservation of Clean Air and Water in Western Europe)

Madouplein 1
B1030 Brussels
Belgium
Tel: (+32) 222 03111

Council of Europe (COE)

Information Department
Palais de l'Europe
BP 431 R6
67006 Strasbourg Cedex
France
Tel: (+33) 88 61 49 61

European Environmental Bureau

20 Rue de Luxembourg
B-1040 Bruxelles
Belgium
Tel: (+322) 514 1250

European Parliament Information Office

2 Queen Anne's Gate
London SW1H 9AA
Tel: 071-222 0411

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**Organisation for Economic Cooperation and
Development (OECD)**

2 Rue Andre Pascal
75775 Paris Cedex 16
France
Tel: (+331) 45 24 82 00

**The United Nations Economic
Commission For Europe**
Environment and Human Settlements Division
Palais des Nations
CH-1211 Geneva 10
Switzerland
Tel: (+44 22) 985850

**United Nations Environment
Programme (UNEP)**
Industry and Environment Office
Tour Mirabeau
39-43 quai Andre Citreon
75739 Paris
France
Tel: (+331) 45 78 33 33

UNEP, Nairobi
PO Box 30552
Nairobi
Kenya
Tel: (+2542) 333930

World Health Organisation
Division Of Environmental Health
Avenue Appia
1211 Geneva 27
Switzerland
Tel: (+4122) 912111

WORLDWATCH Institute
1776 Massachusetts Avenue NW
Washington DC 20036
USA

SECTION 7

**Guide to Pollution Control
Equipment Manufacturers,
Suppliers and Consultants
Classified Entries**

ABB KENT-TAYLOR LTD

Howard Road
Eaton Socon
Huntingdon
Cambridgeshire
PE19 3EU

Tel: 0480 75321

Fax: 0480 217948

Telex: 32676 FOSCAM G

Manufacturers of liquid and gas analysis instrumentation, flowmeters, recorders, controllers, transmitters, level equipment and control and supervisory systems.

ACOUSTIC TECHNOLOGY LTD

58 The Avenue
Southampton
SO1 2TA

Tel: 0703 637811

Fax: 0703 335251

Telex: 47156

Noise and vibration engineering consultants specialising in all areas of acoustics and dynamics, with special regard to environmental impact assessment.

ACOUSTICAL INVESTIGATION & RESEARCH ORGANISATION LTD (AIRO)

Duxons Turn
Maylands Avenue
Hemel Hempstead
Hertfordshire
HP2 4SB

Tel: 0442 247146

Fax: 0442 256749

Telex: 825445 for AIRO

Measurement and consultancy service in acoustics and noise control for any scale of

project; appraisal and advice on the control of various sources of environmental noise and expert testimony are available. AIRO is also accredited as a NAMAS TESTING Laboratory No. 0483.

ADC LTD

Pindar Road
Hoddesdon
Hertfordshire

EN11 0AQ

Tel: 0992 469638

Fax: 0992 444567

Telex: 266952 ADC G

Designers and manufacturers of infra-red gas analyzers for a variety of markets and applications, including the measurement of HCl, SO_x, NO_x, CH₄ and CFCs for portable or laboratory use.

AEA ENVIRONMENT AND ENERGY

Harwell Laboratory
Oxfordshire
OX11 0RA

Tel: 0235 434047

Fax: 0235 432910

Telex: 83135 ATOMHA G

A complete service in monitoring, assessment, special investigations, modelling and consultancy for environmental pollution problems.

AIR IMPROVEMENT CENTRE

23 Denbigh Street
London
SW1V 2HF

Tel: 071 834 2834

Fax: 071 821 8485

Suppliers of humidifiers, dehumidifiers,

air purifiers, ionisers, and mobile air conditioners for home and office use; London shop and free literature and advisory service; nationwide despatch of all leading makes.

AIR POLLUTION CONTROL LTD

797 London Road
Thornton Heath
Surrey
CR4 6XE

Tel: 081 689 5325

Fax: 081 689 1090

Telex: 8954903 APCON G

Chemical and process engineers designing and supplying gas scrubbing and dust handling plants for the chemical, food processing and pharmaceutical industries.

AIRMASTER ENGINEERING LTD

New Olympia Works
Limewood Approach
Seacroft
Leeds

LS14 1NG

Tel: 0532 733333

Fax: 0532 650735

Telex: 557227

Suppliers of dust extraction plants consisting of package units or tailor-made installations covering fully automatic or semi-automatic equipment.

AIROIL-FLAREGAS LTD

PO Box 92
Horton Road
West Drayton
Middlesex
UB7 8BG

Tel: 0895 444031

Fax: 0895 420982

Telex: 23923 AIROIL G

Combustion and engineering services.

AMBUCO PROCESS EQUIPMENT LTD

55 London Road
Raunds
Wellingborough
Northants
NN9 6EH

Tel: 0933 624424

Fax: 0933 626400

Telex: 312305

Over 25 years experience in air pollution control; manufacturers of a wide range of equipment including wet scrubbers, cyclones, multicyclones, fabric filters and close capture hoods; comprehensive consultancy service available with air flow and emission testing facilities; fluostatic range of fluidised bed dryers and coolers.

ANACON CORPORTATION LTD

St Peters Road
Maidenhead
Berkshire
SL6 7QA

Tel: 0628 39711

Fax: 0628 773112

Telex: 847283

Manufacturers of electronic equipment for the continuous and accurate measurement of dust and gas emission levels in ducts and stacks.

ANALYSIS AUTOMATION LTD

Southfield Road
Eynsham
Oxford
OX8 1JD
Tel: 0865 881888
Fax: 0865 881891
Telex: 837509

Manufacturers of air pollution analysis equipment for ambient and emissions applications.

ANDERSEN INSTRUMENTS LTD

Quality House
46-56 Dumfries Street
Luton
Bedfordshire
LU1 5BP
Tel: 0582 480012
Fax: 0582 402565

A complete range of sampling equipment for collection and classification of ambient and stack particulate, also microbial and pollutant gas sampling.

ASPINWALL & COMPANY

Walford Manor
Baschurch
Shropshire
SY4 2HH
Tel: 0939 261144
Fax: 0939 261146

Environmental consultancy services to both industry and local government, encompassing assessment of natural and built environments; disciplines covered include air pollution monitoring, modelling and assessment, odour assessment and control, noise and vibration studies, landfill gas

investigations, waste management and environmental audit and policy.

ASSOCIATED LABORATORY SERVICES LTD

Christy House
Church Lane
Bocking
Braintree
Essex
CM7 5RY
Tel: 0376 28646
Fax: 0376 552923
Telex: 98166 BKITTO G

Consulting and analytical chemists; sampling, monitoring and analysis of airborne fibres, particulates and solvents, as well as potable, industrial and waste water; site investigation of contaminated and derelict land.

BASSAIRE LTD

Duncan Road
Swanwick
Southampton
SO3 7ZS
Tel: 0489 885111
Fax: 0489 885211
Telex: 477605 BASAIR G

Design, manufacture, installation and maintenance on a complete range of clean air products and environments, such as laminar flow cabinets, biohazard cabinets, fume extraction cabinets and complete Clean Rooms, all designed to relevant British standard, American Federal standard and UK GMP standards.

**BCRA SCIENTIFIC AND
TECHNICAL SERVICES LTD**

Mill Lane
Wingerworth
Chesterfield
Derbyshire
S42 6NG
Tel: 0246 209654
Fax: 0246 272247
Telex: 547061 CB WING G

Independent environmental/fuel consultants: Stack emission/general air pollution measurement; COSHH assessment/monitoring; environmental impact evaluation; odour measurement/impact study; liquid effluent analysis; treatment plant design; trouble-shooting; maintenance service etc.

**BEDFONT TECHNICAL
INSTRUMENTS LTD**

Bedfont House
Holywell Lane
Upchurch
Sittingbourne
Kent
ME9 7HN
Tel: 0634 375614
Fax: 0634 378980

Gas analysing monitors and calibration gases.

**BERRIDGE ENVIRONMENTAL
LABORATORIES LTD**

Robjohns Road
Widford Industrial Estate
Chelmsford
Essex
CM1 3TW
Tel: 0245 268461
Fax: 0245 490718

Consultancy and laboratory services on the management of the environment; sampling and analysis of polluted air, water and contaminated land.

**BRITISH TEXTILE TECHNOLOGY
GROUP**

Wira House
West Park Ring Road
Leeds
LS16 6QL
Tel: 0532 781381
Fax: 0532 780396
Telex: 557189

Experienced specialists for all aspects of raw waters, use and waste water disposal, trade effluent treatment, noise and dust control; services applicable across a broad range of industry backed by experience from many years of research and development.

BRUEL & KJAER (UK) LTD

Harrow Weald Lodge
92 Uxbridge Road
Harrow
Middlesex
HA3 6BZ
Tel: 081 954 2366
Fax: 081 954 9504
Telex: 934150

Design and manufacture of precision electronic measuring instrumentation; over 200 instrument types are available for applications in the fields of environmental noise, acoustics, hydroacoustics, vibration, and wide range of gases including toxic gases.

**CAMBRIDGE ENVIRONMENTAL
RESEARCH CONSULTANTS LTD**

3D King's Parade
Cambridge
CB2 1SJ

Tel: 0223 357773
Fax: 0223 357492

Air pollution modelling, heavy/toxic gas dispersion modelling, building ventilation studies; advice using computer modelling and physical experimentation based on state-of-the-art scientific research; expert evidence provided for public enquiries.

**CARTER INDUSTRIAL PRODUCTS
LTD**

Bedford Road
Birmingham
B11 1AY

Tel: 021 772 4300
Fax: 021 772 3672
Telex: 339219

Designers and manufacturers of cooling towers, automatic water filtration equipment; non-chemical water treatment, dust, fume, oil mist and gas scrubbing equipment & plant including turnkey package plants.

CASELLA ENVIRONMENTAL LTD

Belmont House
Vicarage Road
Edgbaston

Birmingham
B15 3EZ
Tel: 021 454 9922
Fax: 021 454 1881
Telex: 73346

International environmental consultants and laboratory service for atmospheric and

water quality, investigation of contaminated land, environmental auditing and assessment, waste management, drilling contractors, environmental policy, occupational hygiene, asbestos management and training courses; laboratory services including chemical, microbiological and geotechnical analysis and testing in central or mobile laboratories.

CASELLA LONDON LTD

Regent House
Wolseley Road
Kempston

Bedford
MK42 7JY
Tel: 0234 841441
Fax: 0234 841490
Telex: 827707

Manufacturer and supplier of specialist instruments for air sampling, gas detection, water analysis and meteorological measurement.

**CAVENDISH APPLIED
TECHNOLOGY LTD**

24 Clifton Road
Cambridge
CB1 4ZD

Tel: 0223 210105
Fax: 0223 210712

Manufacturers of a range of solvent and toxic gas measuring equipment for air and water pollution monitoring.

CIRRUS RESEARCH LTD

Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
Tel: 0723 891655
Fax: 0723 891742

International suppliers of acoustic measurement equipment. Specialists in computer based data logging meters ranging from personal dosimeters to complex airport monitoring systems. Bases in Lyon, Dresden, Melbourne, Milwaukee and Los Angeles.

CLAYTON BOSTOCK HILL & RIGBY

288 Windsor Street
Birmingham
B7 4DW
Tel: 021 359 5951
Fax: 021 359 7606
Telex: 337273

Environmental consultants established in 1861 and analytical chemists and methane monitoring; occupational hygiene consultants, stack monitoring, environmental audits, assessments and monitoring, contaminated land studies, pollution surveys; design of abatement plant, water and waste water treatment plant; branch offices – in Ilford, Southampton and Newcastle-upon-Tyne.

**COMBUSTION DEVELOPMENTS
(CODEL) LTD**

Station Building
Station Road
Bakewell
Derbyshire
DE4 1GE

Tel: 0629 814351
Fax: 0629 814619
Telex: 377252

Manufacturers of infra-red across the duct continuous monitors for CO, SO₂ and NO_x; instruments for fire detection and tunnel atmosphere monitoring; smoke and dust emission monitors and data loggers; acoustic pyrometers which produce isothermal images.

CREMER & WARNER

Windsor House
Gadbroke Business Centre
Gadbroke Park
Northwich
Cheshire
CW9 7TN
Tel: 0606 49077
Fax: 0606 49194
Telex: 918666 CRECON G

Local and regional air quality assessment, atmospheric dispersion modelling, chimneys, acid emission control and flue gas desulphurisation; emission control covering a wide range of industries; nuisance from odours, dust, smuts and visible plumes; occupational and community exposure to pollutants; highway pollution; protection from contamination in clean environments. Design of monitoring systems.

CROWCON INSTRUMENTS LTD

2 Blacklands Way
Abingdon
Oxfordshire
OX14 1DY
Tel: 0235 553057
Fax: 0235 553062
Telex: 837688

Manufacturers of portable and fixed gas detection for flammable and toxic gases, with optional fire and smoke detection

DRAEGER LTD

The Willows
Mark Road
Hemel Hempstead
Hertfordshire
HP2 7BW
Tel: 0442 213542
Fax: 0442 240327
Telex: 53394

Manufacturers of detector tubes and instruments for the detection and monitoring of oxygen and flammable/toxic gases; stack emission analysis equipment.

DRYVENT LTD

Hollygrove House
Staines Road
Hounslow
Middlesex
TW3 3NB
Tel: 081 570 6251
Fax: 081 569 4093
Telex: 934581

Manufacturers of air and gas drying equipment.

DUSTRACTION LTD

PO Box 75
Mandervell Road
Oadby
Leicester
Tel: 0533 713212
Fax: 0533 713215

Design, manufacture and installation of all types of dust and fume control equipment.

DW VIEWBOXES LTD

Unit 7, Peverel Drive
Granby
Milton Keynes
MK1 1NL
Tel: 0908 642323
Fax: 0908 640164

Manufacturers of spraybooths for withdrawing aerosol adhesives from the working environment.

EG PORTER (PROCESS ENG) CO

Albion Works
Green Street
Green Road
Dartford
Kent
DA1 1UQ
Tel: 0322 272337
Fax: 0322 272339
Telex: 896118

Manufacturers of filter bag cages (cylindrical and pad type). Sub-contract fabricators.

**ELSEVIER APPLIED SCIENCE
PUBLISHERS**

Crown House
Linton Road
Barking
Essex
IG11 8JU
Tel: 081 594 7272
Fax: 081 594 5942
Telex: 896950

Part of an international publishing organisation which provides information in the form of books and journals for professionals, in the field of ecology and environment, including the leading journal 'Environmental Pollution'.

**ENVIRO TECHNOLOGY SERVICES
PLC**

Unit 1, Lightpill Trading Estate
117 Bath Road
Stroud
Gloucester
GL5 3QF
Tel: 0453 751641
Fax: 0453 757596

Suppliers of instruments for measuring air quality now expanded to include water quality and land contamination; comprehensive aftersales and customer support service provided.

**ENVIRONMENTAL RESOURCES
LTD**

106 Gloucester Place
London
W1H 3BD
Tel: 071 465 7200
Fax: 071 935 8355
Telex: 296359 ERL G

International environmental consulting group, founded in 1971, providing specialist advice on all aspects of environmental management, with experience in seventy countries.

**ENVIRONMENTAL TECHNOLOGY
CENTRE INDUSTRIAL SERVICES**

Department of Chemical Engineering
UMIST

PO Box 88
Manchester
M60 1QD
Tel: 061 200 3979/3978
Fax: 061 200 4399
Telex: 666094 UMIST G

Specialists in air and water quality monitoring, waste water treatment, disposal and treatment of solid and toxic wastes, analysis and assessment of contaminated land and risk assessment of major hazards. Confidential consultants for a wide range of clients. Work includes surveys, evaluations, audits and waste disposal site licence applications, backed by in-house analytical facilities.

ENVIROTEST LTD

1 Executive Park
Hatfield Road
St Albans
Hertfordshire
AL1 4TA
Tel: 0727 40394
Fax: 0727 43965
Telex: 23671

Air and water consultants; specialists in high purity industries, semi-conductors, pharmaceuticals and related fields.

ERG (AIR POLLUTION CONTROL) LTD

Stephenson Way
Three Bridges
Crawley
Sussex
RH10 1TN
Tel: 0293 534751
Fax: 0293 541607
Telex: 87509

Manufacturers of turnkey systems for removal and control of air pollution from dust, fume and industrial odours; comprising cyclones, packed towers, impingement tray scrubbers, Venturi scrubbers, demisters, dust collectors, fume extraction systems; water treatment plant, inhouse effluent treatment equipment available.

ERWIN SICK OPTIC ELECTRONIC LTD

Waldkirch House
39 Hedley Road
St Albans
Hertfordshire
AL1 5BN
Tel: 0727 831121
Fax: 0727 56767
Telex: 263631

Manufacturers of cross-stack, in-situ instruments for measurement of opacity, dust, SO₂ and NO_x and to give early warning of filter bag failure; continuous measurement of fine dust concentrations less than Bacharach 1; emission data loggers and systems for motorway and road tunnel applications.

EUROMATIC MACHINE & OIL LTD

PO Box 297
Jersey
Channel Islands
Tel: 0534 43488
Fax: 0534 46261

Manufacturers of flowmeters for liquids and gas. Applications to bio-gas, steam, hot water, oil, gas, water, slurry, sludge, air intake boilers, flue gas etc.; gas/liquid extractors; centrifugal separators for gas/liquid.

FERGUSON & TIMPSON LTD

Thistle House
Selinas Lane
Dagenham
Essex
RM8 1TB
Tel: 081 593 7611
Fax: 081 593 9241
Telex: 23371

Fluid sealing materials and products, flexible foams, noise control materials and acoustic enclosures, engineering maintenance products and protective clothing.

FIBRE FLOW TECHNIQUES LTD

Unit 1, Baptist Lane
Teall Street
Osset
West Yorkshire
WF5 0HD
Tel: 0924 274808
Fax: 0924 280279

Dust and fume extraction, pneumatic conveying of textile fibres etc.

FLAKT LTD

Staines House
158 High Street
Staines
Middlesex
TW18 4AZ
Tel: 0784 457221
Fax: 0784 450018
Telex: 261554 FLAKTS G

Specialists in air pollution control, industrial drying and industrial maintenance, supplying electrostatic precipitators and fabric filters to the power, refuse incineration, metallurgical, process, cement and gypsum industries. An approved supplier to the power industry for electrostatic precipitators, ash handling and flue gas desulphurisation plant.

GENERAL COMBUSTION LTD

Brookers Road
Billingshurst
West Sussex
RH14 9SA
Tel: 0403 782091
Fax: 0403 782087
Telex: 87416

Manufacturers of a range of incinerators - liquid for aqueous through to solvent waste; gaseous for contaminated fumes and odours; solid waste to destroy matter from animal carcass to plastic all available with or without heat recovery and meeting HMIP requirements; thermal fluid heaters and remediation equipment for contaminated soil.

GRASEBY IONICS LTD

Analytical Division
Park Avenue
Bushey
Watford
Hertfordshire
WD2 2BW
Tel: 0923 816166
Fax: 0923 240285
Telex: 923010

Manufacturers of equipment for the detection and analysis of low concentrations of organic vapour for laboratory, environmental, monitoring and process applications.

**HALCROW (SIR WILLIAM
HALCROW & PARTNERS LTD)**

Burderop Park
Swindon
Wiltshire
SN4 0QD
Tel: 0793 812479
Fax: 0793 812089
Telex: 44844 HALWIL G

A complete environmental service across a range of disciplines - twenty five years of experience has included projects in air quality, noise, waste management, water quality, hydrology, hydrogeology, public health engineering, contaminated land and planning matters.

**HALIFAX FAN MANUFACTURING
(INTERNATIONAL) LTD**

Mistral Works
Salterhebble
Halifax
West Yorkshire
HX3 0PY
Tel: 0422 348321
Fax: 0422 348366
Telex: 51460

Producers of a wide range of reliable and durable centrifugal fans of the various blade forms complying to BS 5750 Part 1, also ISO 9001.

HASKEL ENERGY SYSTEMS LTD

North Hylton Road
Sunderland
SR5 3JD
Tel: 091 549 1212
Fax: 091 549 0911
Telex: 53624

Manufacturers of jetflow airmovers for ventilation of confined spaces, exhaust gas conditioning equipment for vehicle exhausts and vibration isolation equipment.

**HAWCO LTD (H A WAINWRIGHT &
CO)**

Cathedral Hill Industrial Estate
Guildford
Surrey
GU2 5YB
Tel: 0483 60606
Fax: 0483 575973
Telex: 859364

Services include temperature/pressure sensing, monitoring and control. Suppliers of indicators, transducers, transmitters,

recorders, loggers, switches, controllers, gauges and calibration equipment/systems.

HORIBA INSTRUMENTS LTD

1 Harrowden Road
Brackmills
Northampton
NN4 0EB
Tel: 0604 765171
Fax: 0604 765175
Telex: 311869

Manufacturers of a complete range of instrumentation for the measurement of air and water quality and extractive stack emission systems; designed for continuous unattended operation with a minimum routine maintenance required.

JENWAY LTD

Gransmore Green
Felsted
Dunmow
Essex
CM6 3LB
Tel: 0371 820122
Fax: 0371 821083
Telex: 817766

Manufacturers of a wide range of measuring devices for temperature, pH, conductivity and humidity; various portable, laboratory and industrial applications.

JOHN PLYMOUTH LTD

Marley Way
Southam Road
Banbury
Oxfordshire
OX16 7RL
Tel: 0295 259311
Fax: 0295 271750

Manufacturers of 'at-source' extraction equipment, which is ergonomically designed to be efficient, modular, rugged and cost effective; applications to welding fumes, oil mist, grinding dust, solder fumes, noxious gases, vehicle exhaust, powder clouds and chemical vapours.

JONES & ATTWOOD LTD

Titan Works
Stourbridge
West Midlands
DY8 4LR
Tel: 0384 392181
Fax: 0384 371937
Telex: 338120

Manufacturers of high efficiency air and gas purification processes, for odour problems. These include Purafil dry scrubbing systems, Econ-abator catalytic incinerators with fluidised bed technology, and Lo-cat catalytic system for the conversion of hydrogen sulphide to element sulphur.

KANE-MAY LTD

Swallowfield
Welwyn Garden City
Hertfordshire
AL7 1SP
Tel: 0707 331051
Fax: 0707 331202
Telex: 929117 KANE G

Manufacturers of electronic measurement instruments including thermometers, RH and PH meters, combustion gas analysers, printer/recorders and loggers.

LAND CAPABILITY CONSULTANTS LTD

Times House
Willingham
Cambridge
CB4 5LH
Tel: 0954 60888
Fax: 0954 61366

Consultancy specialising in environmental data collection and impact assessments. Main areas of work are within the mineral and waste management industries, land development and derelict land. Remote sensing capability for both air photo and satellite imagery for large scale environmental impact surveys.

LAND COMBUSTION (DIVISION OF LAND INSTRUMENTS INTERNATIONAL LTD)

Dronfield
Sheffield
S18 6DJ
Tel: 0246 417691
Fax: 0246 290274
Telex: 547360

Specialists in combustion and emissions monitoring. Portable and in-situ analysers available for NO_x, SO₂, CO, O₂ and acid dewpoint; continuous monitors for opacity and dust density measurement.

LEEDS AND NORTHRUP LTD

Wharfdale Road
Tyseley
Birmingham
B11 2DJ
Tel: 021 706 6171
Fax: 021 706 4824
Telex: 336577

Manufacturers of process control instruments for most plant and thermal process control applications, effluent treatment and general purpose industries.

LUCAS DAWE ULTRASONICS LTD

Concord Road
Western Avenue
London
W3 0SD
Tel: 081 992 6751
Fax: 081 993 7202
Telex: 934848

Manufacturers of dust suppression equipment using sonic atomising nozzles; suppression of airborne dust without over-wetting of product; evaporative gas cooling.

MATAN AND PARTNERS LTD

Royal Liver Building
Pier Head
Liverpool
L3 1JH
Tel: 051 236 2056
Fax: 051 236 2488
Telex: 265871 DDS 252

Consultants: environmental engineering/ management; landfill gas survey/ control/ utilization; environmental impact assessment development of contaminated land; water supply/treatment; public health

engineering; waste management/water/air pollution control; mechanical/ electrical/ civil engineering.

MEDIVAC (TAYLORMAID PRODUCTS LTD)

18A Water Lane
Wilmslow
Cheshire
SK9 5AA
Tel: 0625 539401
Fax: 0625 539507

Manufacturers of vacuum cleaners to the medical profession and for the domestic market that achieve high filtration efficiency levels (99.999%) BS 5415; supplied with comprehensive set of tools, quiet, service free motor, guaranteed for five years.

METRA MARTECH LTD

Glenthorne House
Hammersmith Grove
London
W6 0LG
Tel: 081 563 0666
Fax: 081 563 0040
Telex: 919176 MCGLDN G

International consultants specialising in all aspects of business development including market research, market entry strategy, identification and evaluation of sources of technology, image and market share assessments, acquisition searches etc.; multi-lingual, technically qualified and experienced staff.

MIDLAND ENVIRONMENT LTD

Aston Science Park
Love Lane
Birmingham
B7 4BJ
Tel: 02359 0981
Fax: 021 359 0433

Wide range of consultative services including environmental surveys; policy studies; health and environmental audits; recycling plans; recycling and waste surveys; consumer satisfaction studies; litter; flytipping and municipal waste analysis.

MIKROPUL ENVIRONMENTAL SYSTEMS

Rivington Road
Whitehouse Industrial Estate
Runcorn
Cheshire
WA7 3DS
Tel: 0928 710101
Fax: 0928 714325
Telex: 628051

Suppliers of dust collectors, gas scrubbers and cyclones as systems or stand-alone equipment.

NAIRB AIR LTD

Units 12 & 13 Queniborough Industrial Estate
Melton Road
Queniborough
Leicester
LE7 8PF
Tel: 0533 608187
Fax: 0533 640543

Suppliers and manufacturers of complete air pollution control systems for dust

collection and gas cleaning; turnkey engineering service provided.

NEGRETTI AUTOMATION LTD

Environmental Division
Stockdale
Aylesbury
Buckinghamshire
HP20 1DR
Tel: 0296 395931
Fax: 0296 86400
Telex: 83285 NEGZAM G

Manufacturers of personal and static air samplers for dust, fume, vapour, gas, etc.; other condition monitoring devices for noise, radiation, radon gas etc.

NEOTRONICS LTD

Parsonage Road
Takeley
Bishop's Stortford
Hertfordshire
CM22 6PU
Tel: 0279 870182
Fax: 0279 870377
Telex: 817126

Specialists in gas monitoring instrumentation for energy conservation, personal safety and process measurement and control applications; combustion efficiency monitors provide the means to run heat generating systems at optimum burn and reduce toxic emissions.

NEW AIR TECHNICAL SERVICES LTD

Winchester Avenue
Blaby Industrial Park
Leicester
LE8 3GZ

Tel: 0533 778080
Fax: 0533 773017
Telex: 341448 NEW AIR G

Design, manufacture and installation of dust and fume extraction plant and associated equipment; complete tailored systems designed for a variety of industrial dust emission problems incorporating fans, filters, cyclones, ductwork hoods and canopies.

NORDISTRIBUTION LTD

The Shaw Barn
Whitesmith
Lewes

East Sussex
BN8 6JD
Tel: 0825 872188
Fax: 0825 872628

Manufacturers of industrial and commercial boilers for oil and gas; specialists in boiler systems for burning wood and straw.

OTTO (UK) LTD

Huntingdon Way
Measham
Burton-on-Trent
Staffordshire
DE12 7DS

Tel: 0530 73939
Fax: 0530 72521

Suppliers of the new High Compact Reactor (HCR) aerobic technology for

purifying waste water, especially suitable for treating high strength trade effluent in a cost-effective manner; suppliers of the latest de-nitrification plant.

OVE ARUP & PARTNERS

13 Fitzroy Street
London
W1P 6BQ

Tel: 071 636 1531
Fax: 071 465 3671

Consultants covering all aspects of the external and internal environment, and a focal point for a range of specialist skills including environmental scientists, engineers and planners, drawing on the resources of other groups specialising in acoustics and industrial water engineering.

P & S FILTRATION LTD

Broadway House
Haslingden
Rossendale
Lancashire
BB4 4EJ

Tel: 0706 213421
Fax: 0706 211397
Telex: 63127

Manufacturers of textile filter media for industrial dust and fume control, filter cloths for chemical and process engineering; polypropylene filter elements.

**PHILIPS INDUSTRIAL
AUTOMATION**

York Street
Cambridge
CB1 2SH

Tel: 0223 464444

Fax: 0223 374300

Telex: 817331 PHISCI G

Designers and suppliers of complete turnkey air quality monitoring systems for urban and industrial applications. Single, stand-alone monitoring stations to extensive networked systems, all data acquisition and analysis of air pollutant constituents and meteorological parameters is automatic and continuous; also stack monitoring system packages.

**PLASTIC CONSTRUCTIONS
(FABRICATIONS) LTD**

Bimec House
Evelyn Road
Sparkhill
Birmingham
B11 3JJ

Tel: 021 773 4951

Fax: 021 772 3588

Design, manufacture and installation of scrubbing systems, process plant, fans, pumps, heat exchangers; vessels to BS4994 1987 Cat 1; Placon mop scrubber systems for dust collection; fabrications in PVC, polypropylene, PVD, HALAR and glass fibre.

PLATON INSTRUMENTATION LTD

Platon Park
Viabes
Basingstoke
Hampshire
RG22 4BS

Tel: 0256 470456

Fax: 0256 63345

Telex: 858107

Manufacturers and distributors of pressure transmitters, pressure gauges, flowmeters, flow alarms/controllers, control valves and level measurement equipment; products used in water process, medical, pharmaceutical, petrochemical, defence, nuclear, food processing and power industries. Based in Hampshire, branches in France and Germany, agents worldwide.

QUANTITECH LTD

75 Garamonde Drive
Wymbush
Milton Keynes
MK8 8DD

Tel: 0908 564141

Fax: 0908 260554

Distributors of both long term and portable toxic gas monitors for workplace and ambient air monitoring.

RIGIDON (UK) LTD

Station Road
Berkeley
Gloucester
GL13 9RL

Tel: 0453 811866

Fax: 0453 811833

Suppliers of wet scrubbers and precipitators for dust and fume removal.

ROSEMOUNT LTD

Heath Place
Bognor Regis
West Sussex
PO22 9SH
Tel: 0243 863121
Fax: 0241 867554
Telex: 86218 SENSOR

Manufacturers of analytical instrumentations and systems for pollution control.

SECOMAK LTD

502 Honeypot Lane
Stanmore
Middlesex
HA7 1BE
Tel: 081 952 5566
Fax: 081 952 6983
Telex: 922139

Manufacturers of direct and indirect centrifugal fans, air heaters, side channel blowers, axial fans and audible warning equipment.

S & H NOISE CONSULTANTS

The Willows
The Green
Newton Burgoland
Leicester
LE6 1SS
Tel: 0530 71347
Fax: 0530 73711

Consultancy specialising in providing engineering solutions to industrial and environmental noise problems; writing environmental statements and investigating noise problems associated with planning applications; airborne dust measurement and monitoring.

SERVOMEX (UK) LTD

Jarvis Brook
Crowborough
East Sussex
TN6 3DU
Tel: 0892 652181
Fax: 0892 662253
Telex: 95113 SERMEX G

Manufacturers of a range of fixed and portable oxygen and infra-red analysers; process gas chromatographs for monitoring a variety of toxic and combustible gases; cover-all refineries, chemical plants, power stations, flue gas, vehicle exhaust.

SABRE GAS DETECTION

Unit 1, Blackwater Way
Aldershot
Hampshire
GU12 4DL
Tel: 0252 342352
Fax: 0252 342203

Manufacturers and suppliers of gas detection equipment, air sampling pumps and solvent vapour personal exposure monitoring equipment.

SHAWCITY LTD
Unit 13, Pioneer Road
Faringdon
Oxfordshire
SW7 7JP
Tel: 0367 241675
Fax: 0367 242491

Manufacturers of noise meters such as the personal noise dosimeter; continuous monitoring throughout a full working day, allowing full freedom of movement; digital display of dose %, leq, projected dose % and sound level available; data logged to memory and output to computer to produce graphical time history and formatted reports.

SICK (ERWIN) OPTIC ELECTRONIC LTD
Waldkirch House
39 Hedley Road
St Albans
AL1 5BN
Tel: 0727 831121
Fax: 0727 56767
Telex: 263631

Manufacturers of cross-stack, in-situ instruments for measurements of opacity, dust SO₂ and NO_x and to give early warning of filter bag failure; continuous measurement of fine dust concentrations less than Bacharach 1; emission data loggers and systems for motorway and road tunnel applications.

SKC LTD
Unit 11, Sunrise Park
Higher Shaftesbury Road
Blandford Forum
Dorset
DT11 8ST

Tel: 0258 480188
Fax: 0258 480184
Telex: 41589

Manufacture and marketing of air sampling equipment for toxic gases, vapours and dusts; applications to both environmental and personal sampling using a wide range of air sampling pumps operating from a few cc/min up to 30 lts/min; sampling accessories available.

SOUND ABSORPTION LTD
Unit 6
Bentwood Road
Carr's Industrial Estate
Haslingden
Rossendale
Lancashire
BB4 5HH
Tel: 0706 213477
Fax: 0706 214147

Manufacturers and distributors of hardwearing, durable acoustic cladding containing both sound absorption and sound insulation; consultancy supply and full fixing service.

**SOUND ATTENUATORS
INDUSTRIAL LTD**

Eastgates
Colchester
Essex

CO1 2TW

Tel: 0206 866911

Fax: 0206 865987

Established noise and vibration control engineers specialising in industrial applications; over 25 years experience of product design, development, manufacture and installation in manufacturing and service industries, gas turbines and offshore applications; comprehensive product range comprising standard and custom designed products; in-house acoustic and aerodynamic laboratories

STATS ENVIRONMENTAL LTD

Porterswood House

Porters Wood

St Albans

Hertfordshire

AL3 6PQ

Tel: 0727 833261

Fax: 0727 835682

Occupational and environmental hygiene services including: air pollution monitoring; ground and water contamination assessment; COSHH assessments; noise surveys; asbestos sampling and analysis, heat stress and laboratory analysis.

STURTEVANT PROCESS LTD

Turnbridge

Huddersfield

West Yorkshire

HD1 6RB

Tel: 0484 420303

Fax: 0484 422668

Telex: 51306

(Formerly Peabody Sturtevant and Peabody Holmes) Manufacture and design an extensive range of atmospheric pollution control plant including: electrostatic precipitators; fabric filters; gas scrubbing systems and cyclones; equipment for removal of hydrogen sulphide from fuel gases; waste processing and handling plant also supplied.

TECHNICA LTD

Lynton House

7/12 Tavistock Square

London

WC1H 9LT

Tel: 071 388 2684

Fax: 071 387 3550

Telex: 22810 TECNIC G

One of the largest environmental and safety consultancy firms; based in London, with offices in the North West and Scotland employing over 120 full time engineers.

TELEGAN LTD

Legion House
Godstone Road
Kenley
Surrey
CR8 5YS
Tel: 081 668 8251
Fax: 081 660 8218
Telex: 946587

Manufacturers of a range of portable and fixed instruments for combustion and environmental gas analysis; gases measured include O₂, CO, CO₂, NO, NO_x, SO₂, Cl₂ and H₂S; suppliers of transient voltage protection units and fire protection systems.

THERMO ELECTRON LTD

830 Birchwood Boulevard
Warrington
Cheshire
WA3 7QZ
Tel: 0925 813600
Fax: 0925 812138
Telex: 629221

Suppliers of instrumentation to monitor air quality; analysers for ozone, carbon dioxide and hydrocarbons are available; mobile or static, integrated air quality systems with central microprocessor control and calibration may be custom built; continuous and simultaneous measurement of several pollutants in ambient air.

THOMAS GRAVESON LTD

Keer Bridge House
Warton
Carnforth
Lancashire
LA5 9HA
Tel: 0524 734744
Fax: 0524 734711

Design, supply and installation of complete systems to extract & flare landfill gas under controlled conditions at high temperatures (up to 1200°C); sole UK agent for Hofstetter landfill gas extraction & utilisation equipment and Jenbacher landfill gas engines.

TRAVERS MORGAN CONSULTING GROUP

136 Long Acre
London
WC2E 9AE
Tel: 071 836 5474
Fax: 071 240 9595
Telex: 8812307 RTMLON G

Large, multi-disciplinary practice of consulting engineers, planners and specialists; full range of environmental services provided including noise; vibration; acoustics; air pollution; land contamination; waste disposal; water quality; ecology; landscape and agriculture.

TRION LTD

West Portway Industrial Estate
Andover
Hampshire
SP10 3TY
Tel: 0264 364622
Fax: 0264 350983
Telex: 47265

Manufacturers of environmental control products.

UNITED AIR SPECIALISTS (UK) LTD

Heathcote Way
Heathcote Industrial Estate
Warwick
CV34 6LY
Tel: 0926 311621
Fax: 0926 315986
Telex: 311665

Manufacturers of electronic air cleaners for the collection of welding fumes, oil mist, tobacco smoke (in the indoor working and leisure environment) and general airborne dust; collection efficiency enables cleaned air to be recirculated, thus reducing heat losses.

ULTRAFILTER LTD

33 Sandy Way
Amington Industrial Estate
Tamworth
Staffordshire
B77 4DS
Tel: 0827 58234
Fax: 0827 310166
Telex: 342323

Manufacturers of purification equipment for compressed air, gases and liquids.

URQUHART ENGINEERING LTD

5 Wandsworth Road
Perivale
Greenford
Middlesex
Tel: 081 997 9511
Fax: 081 998 6878
Telex: 24785

Combustion engineers to the process and allied industries, specialising in air heating, incineration and low NO_x burners.

VALENTIN Dr F H H

Elm Tree House
Letchworth Lane
Letchworth Hertfordshire
SG6 3ND
Tel: 0462 684940
Fax: 0462 671436

Consultant chemical and environmental engineer specialising in odour, fume and dust control; solid waste and liquid effluent treatment; industrial ventilation; safety and health - COSHH assessments; environmental audits; erection and commissioning at lowest cost; expert witness; insurance; registered under Enterprise Initiative Scheme.

VAN TONGEREN INTERNATIONAL LTD

Van Tongeren House
High Street
Godalming
Surrey
GU7 1DU
Tel: 0483 428082
Fax: 0483 417741
Telex: 859487

Design and manufacture of high efficiency cyclone separators for gas cleaning and solids recovery applications such as emission control from coal-fired boilers, mineral processing and chemical industry to local authority requirements; design of high temperature, high efficiency, special materials of construction and pressure vessel cyclones.

WARDELL ARMSTONG

Grove House Court
11A King Street
Newcastle-under-Lyme
Staffordshire
ST5 1EA
Tel: 0782 712700
Fax: 0782 712870
Telex: 36607

Environmental consultants for air, water and land pollution; contaminated land reclamation; environmental assessment; audit; mining and waste disposal engineering.

WHATMAN SCIENTIFIC LTD

Whatman House
St Leonards Road
20/20 Maidstone
Kent
ME16 0LS
Tel: 0622 676670
Fax: 0622 677011
Telex: 965242

High performance filtration, microfiltration and chromatography for pollution monitoring and analysis.

WL GORE & ASSOCIATES (UK) LTD

Kirkton Campus
Livingston
West Lothian
EH54 7BH
Tel: 0506 412525
Fax: 0506 420004
Telex: 727236

Manufacturers of membrane filter media for both dry and wet filter systems with application to boilers, incinerators and to the chemical, pharmaceutical, process etc, industries; sub-micron efficiencies and reduced operating costs.

CLASSIFIED ENTRIES

ABSORPTION EQUIPMENT

ERG (Air Pollution Control) Ltd
Rigidon Ltd

ACOUSTIC CONTRACTORS

Sound Absorption Ltd
Sound Attenuators Industrial Ltd

ACTIVATED CARBON EQUIPMENT

ERG (Air Pollution Control) Ltd
Jones and Attwood Ltd

ACTUATORS & CONTROL VALVES

Platon Instrumentation

AEROSOL ADHESIVES

DW Viewboxes Ltd

AIR CLEANERS: MULTI-STAGE

DW Viewboxes Ltd

AIR CONDITIONING EQUIPMENT

Air Improvement Centre Ltd
Flakt Ltd

AIR DRYERS

Dryvent Ltd
Ultrafilter Ltd

AIR FLOW INDICATORS

Euromatic Machine & Oil Ltd
Kane-May Ltd
Platon Instrumentation

AIR IONIZERS

Air Improvement Centre Ltd

AIR MOVERS

Haskel Energy Systems Ltd

AIR POLLUTION CONTROL

Air Pollution Control Ltd
Ambuco Process Equipment Ltd
Andersen Instruments Ltd
Bruel & Kjaer Ltd
Carter Industrial Products Ltd
Casella Environmental Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Flakt Ltd
Jones and Attwood Ltd
Lucas Dawe Ultrasonics Ltd
Mikropul Environmental Systems
Nairb Air Ltd
Plastic Constructions Fabrications Ltd
Rigidon (UK) Ltd
Sturtevant Process Ltd
Ultrafilter Ltd
United Air Specialists (UK) Ltd
W L Gore & Associates (UK) Ltd

AIR POLLUTION MEASURING

AEA Environment and Energy
Analysis Automation Ltd
Andersen Instruments Ltd
BCRA Scientific & Technical Services Ltd
Bruel & Kjaer Ltd
Casella Environmental Ltd
Draeger Ltd
Enviro Technology Services Plc
Environmental Technology Centre
Negretti Automation Ltd
S & H Noise Consultants
Servomex (UK) Ltd
Stats Environmental
Thermo Electron Ltd
Travers Morgan Consulting Group

AIR POLLUTION MONITORING

AEA Environment and Energy
Analysis Automation Ltd
Andersen Instruments Ltd
Associated Laboratory Services Ltd
BCRA Scientific & Technical Services Ltd
Bedfont Technical Instruments Ltd
Berridge Environmental Laboratories Ltd
Briel & Kjaer Ltd
Casella Environmental Ltd
Cavendish Applied Technology Ltd
Clayton Bostock Hill & Rigby
Crowcon Instruments Ltd
Enviro Technology Centre
Envirotest Ltd
Erwin Sick Optic Electronic Ltd
Graseby Analytical Ltd
Horiba Instruments Ltd
Negretti Automation Ltd
Philips Industrial Automation
Sabre Gas Detection
Servomex (UK) Ltd
Stats Environmental
Thermo Electron Ltd
Travers Morgan Consulting Group
Wardell Armstrong
Whatman Scientific Ltd

**AIR PURIFICATION PROCESS
EQUIPMENT**

Euromatic Machine & Oil Ltd
Jones and Attwood Ltd
Otto (UK) Ltd

AIR QUALITY SURVEYORS

Enviro Technology Services Plc

AIR VELOCITY METERS

Erwin Sick Optic Electronic Ltd
Euromatic Machine & Oil Ltd

AMMONIA ANALYSIS

AEA Environment and Energy
Associated Laboratory Services Ltd
Casella Environmental Ltd

Enviro Technology Services Ltd
Horiba Instruments Ltd
Servomex (UK) Ltd

ANALYSIS APPARATUS: AEROSOLS

AEA Environment and Energy
Draeger Ltd

**ANALYSIS APPARATUS:
CHEMICALS**

Rosemount Ltd
Servomex (UK) Ltd

ANALYSIS APPARATUS: GASES

ADC Ltd
Analysis Automation Ltd
Bedfont Technical Instruments Ltd
Briel & Kjaer Ltd
Crowcon Instruments Ltd
Draeger Ltd
Enviro Technology Services Plc
Land Combustion
Rosemount Ltd
Servomex (UK) Ltd
Telegan Ltd

**ANALYSIS APPARATUS:
PARTICLES/POWDERS**

Horiba Instruments Ltd
Leeds & Northrup Ltd

ANALYSIS APPARATUS: WATER

ABB-Kent Taylor Ltd
Jenway Ltd
Rosemount Ltd
Whatman Scientific Ltd

ANALYTICAL SERVICES

Casella Environmental Ltd

ASBESTOS SAMPLING & ANALYSIS

Associated Laboratory Services Ltd
BCRA Scientific & Technical Services Ltd
Berridge Environmental Laboratories Ltd
Casella Environmental Ltd

Clayton Bostock Hill & Rigby
Negretti Automation Ltd
Sabre Gas Detection
Shawcity Ltd
SKC Ltd
Stats Environmental
Whatman Scientific Ltd

ASH HANDLING PLANT
Flakt Ltd

AUTOMATIC CONTROL EQUIPMENT
Euromatic Machine & Oil Ltd

BACTERIA SAMPLING EQUIPMENT
Andersen Instruments Ltd

BADGES: GAS SAMPLING
 Draeger Ltd
Shawcity Ltd
SKC Ltd

BAG HOUSES
Air Pollution Control Ltd
EG Porter (Process Eng) Ltd
ERG (Air Pollution Control) Ltd
Flakt Ltd
Mikropul Environmental Systems
Sturtevant Process Ltd

BOILERS: GAS FIRED
Nordistribution Ltd

BOILERS: INDUSTRIAL
Nordistribution Ltd

BOILERS: PACKAGED, OIL FIRED
Nordistribution Ltd

BOILERS: STEAM
Nordistribution Ltd

BOILERS: WASTE HEAT
Nordistribution Ltd

BURNERS: GAS
Airoil-Flaregas Ltd
Nordistribution Ltd
Urquhart Engineering Co Ltd

BURNERS: OIL
Airoil-Flaregas Ltd
Nordistribution Ltd
Urquhart Engineering Co Ltd

BURNERS: SULPHUR
Airoil-Flaregas Ltd

BURNERS: WASTE-FIRED
Airoil-Flaregas Ltd
Nordistribution Ltd

CALIBRATION EQUIPMENT
ADC Ltd
Bedfont Technical Instruments Ltd
Bruel & Kjaer Ltd
Enviro Technology Services Plc
Hawco Ltd

CANOPY HOOD
Ambuco Process Equipment Ltd
Flakt Ltd
New Air Technical Services Ltd
Plastic Constructions Fabrications Ltd

CARTRIDGE FILTERS - DUST FILTRATION
Airmaster Engineering Ltd
Carter Industrial Products Ltd
W L Gore & Associates (UK) Ltd

CATALYSTS
Haskel Energy Systems Ltd

CATALYTIC AIR POLLUTION CONTROL UNITS
Jones and Attwood Ltd

CHEMICAL HANDLING PLANT

Plastic Constructions Fabrications Ltd

CHIMNEYS

Plastic Constructions Fabrications Ltd

**CLEAN ROOM MONITORING
SYSTEMS**

Envirotest Ltd

Euromatic Machine & Oil Ltd

CLEAN ROOMS

Bassaire Ltd

COMBUSTION CONTROL

Clayton Bostock Hill & Rigby

Land Capability Consultants Ltd

Land Combustion

Leeds & Northrup Ltd

Rosemount Ltd

Servomex (UK) Ltd

**COMBUSTION TESTING
EQUIPMENT**

Draeger Ltd

Kane-May Ltd

Neotronics Ltd

Servomex (UK) Ltd

Shawcity Ltd

CONSULTANTS: AIR

Aspinwall & Company

Associated Laboratory Services Ltd

BCRA Scientific & Technical Services Ltd

Berridge Environmental Laboratories Ltd

British Textile Technology Group

Cambridge Environmental Research
Consultants

Casella Environmental Ltd

Clayton Bostock Hill & Rigby

Cremer & Warner

Environmental Resources Ltd

Environmental Technology Centre

Envirotest Ltd

Halcrow Ltd

Matan & Partners

Ove Arup & Partners

Stats Environmental

Technica Ltd

Travers Morgan Consulting Group

Valentin Dr F H H

Wardell Armstrong

CONSULTANTS: BUSINESS

Metra Martech Ltd

**CONSULTANTS: ENVIRONMENTAL
POLICY**

Acoustic Technology Ltd

Aspinwall & Company

Berridge Environmental Laboratories Ltd

British Textile Technology Group

Casella Environmental Ltd

Clayton Bostock Hill & Rigby

Cremer & Warner

Environmental Resources Ltd

Halcrow Ltd

Land Capability Consultants Ltd

Matan & Partners

Midland Environment Ltd

Ove Arup & Partners

Stats Environmental

Technica Ltd

Travers Morgan Consulting Group

Valentin Dr F H H

Wardell Armstrong

CONSULTANTS: LAND

Casella Environmental Ltd

CONSULTANTS: NOISE

Acoustic Technology Ltd

Acoustical Investigation & Research Ltd

Aspinwall & Company

British Textile Technology Group

Casella Environmental Ltd

Castle Associates

Clayton Bostock Hill & Rigby

Cremer & Warner

Environmental Resources Ltd

Halcrow Ltd
 Matan & Partners
 Midland Environment Ltd
 Ove Arup & Partners
 S & H Noise Consultants
 Sound Absorption Ltd
 Sound Attenuators Industrial Ltd
 Stats Environmental
 Technica Ltd
 Travers Morgan Consulting Group
 Wardell Armstrong

CONSULTANTS: OCCUPATIONAL HYGIENE

Casella Environmental Ltd

CONSULTANTS: RADIATION

Casella Environmental Ltd
 Technica Ltd

CONSULTANTS: WASTE

Aspinwall & Company
 Associated Laboratory Services Ltd
 BCRA Scientific & Technical Services Ltd
 Berridge Environmental Laboratories Ltd
 British Textile Technology Group
 Casella Environmental Ltd
 Clayton Bostock Hill & Rigby
 Cremer & Warner
 Environmental Resources Ltd
 Environmental Technology Centre
 Halcrow Ltd
 Land Capability Consultants Ltd
 Matan & Partners
 Midland Environment Ltd
 Ove Arup & Partners
 Technica Ltd
 Travers Morgan Consulting Group
 Valentin Dr F H H
 Wardell Armstrong

CONSUTLANTS: WATER

Aspinwall & Company
 Associated Laboratory Services Ltd
 BCRA Scientific & Technical Services Ltd

Berridge Environmental Laboratories Ltd
 British Textile Technology Group
 Casella Environmental Ltd
 Clayton Bostock Hill & Rigby
 Environmental Resources Ltd
 Environmental Technology Centre
 Envirotech Ltd
 Halcrow Ltd
 Land Capability Consultants Ltd
 Matan & Partners
 Ove Arup & Partners
 Technica Ltd
 Travers Morgan Consulting Group
 Valentin Dr F H H
 Wardell Armstrong

CONTAMINATED LAND SURVEYS

Enviro Technology Services Plc

CONTINUOUS EMISSIONS MONITORING SYSTEMS

Land Combustion

CONTROLLERS: ANALYTICAL AND RESEARCH

ABB-Kent Taylor Ltd

CONTROLLERS: AUTOMATIC SYSTEMS

Airoil-Flaregas Ltd
 Leeds & Northrup Ltd

CONTROLLERS: CONDUCTIVITY

ABB-Kent Taylor Ltd
 Leeds & Northrup Ltd

CONTROLLERS: FLOW

ABB-Kent Taylor Ltd
 Euromatic Machine & Oil Ltd
 Leeds & Northrup Ltd
 Platon Instrumentation

CONTOLLERS: LIQUID LEVEL

ABB-Kent Taylor Ltd
 Platon Instrumentation

CONTROLLERS: pH

ABB-Kent Taylor Ltd
Horiba Instruments Ltd
Leeds & Northrup Ltd

CONTROLLERS: TEMPERATURE

ABB-Kent Taylor Ltd
Hawco Ltd
Leeds & Northrup Ltd

CONTROLLERS: VIBRATION

Bruel & Kjaer Ltd

COOLERS: AIR OR GAS

Flakt Ltd
Lucas Dawe Ultrasonics Ltd

COOLERS: SPRAYS

Lucas Dawe Ultrasonics Ltd

COOLING TOWERS

Carter Industrial Products Ltd
Flakt Ltd

COSHH ASSESSMENT

Casella Environmental Ltd
Stats Environmental

CYCLONES

Air Pollution Control Ltd
Ambuco Process Equipment Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Flakt Ltd
New Air Technical Services Ltd
Sturtevant Process Ltd
Van Tongeren International Ltd

DAMPERS: GAS TIGHT

Flakt Ltd

DATA LOGGING EQUIPMENT

Analysis Automation Ltd
Bruel & Kjaer Ltd
Combustion Developments Ltd

Enviro Technology Services Plc
Erwin Sick Optic Electronic Ltd
Hawco Ltd
Kane-May Ltd
Shawcity Ltd

DEHUMIDIFIERS

Dryvent Ltd
Plastic Constructions Fabrications Ltd
Trion Ltd

DEHYDRATORS: GAS

Dryvent Ltd

DETECTORS: DUST

Anacon Corporation Ltd
Erwin Sick Optic Electronic Ltd
Negretti Automation Ltd

DETECTORS: EXPLOSIVE GASES

Crowcon Instruments Ltd
Draeger Ltd
Neotronics Ltd
Sabre Gas Detection
Servomex (UK) Ltd
Shawcity Ltd

DETECTORS: SMOKE

Crowcon Instruments Ltd
Erwin Sick Optic Electronic Ltd
Hawco Ltd

DETECTORS: SO₂

Analysis Automation Ltd
Crowcon Instruments Ltd
Draeger Ltd
Erwin Sick Optic Electronic Ltd
Land Combustion
Neotronics Ltd
Sabre Gas Detection
Servomex (UK) Ltd
Thermo Electron Ltd

DETECTORS: TOXIC GASES

Anacon Corporation Ltd

Analysis Automation Ltd
 Bedfont Technical Instruments Ltd
 Bruel & Kjaer Ltd
 Cavendish Applied Technology Ltd
 Crowcon Instruments Ltd
 Draeger Ltd
 Graseby Analytical Ltd
 Neotronics Ltd
 Sabre Gas Detection
 Servomex (UK) Ltd
 Shawcity Ltd
 Thermo Electron Ltd

DRILLING CONTRACTORS

Casella Environmental Ltd

DRYERS: AIR

Dryvent Ltd

DRYERS: COMPRESSED AIR

Dryvent Ltd

DRYERS: FLUIDISED BED

Ambuco Process Equipment Ltd

DRYERS: GAS

Dryvent Ltd

DRYERS: GAS ABSORPTION

Dryvent Ltd

DUCTING

New Air Technical Services Ltd
 Plastic Construction Fabrications Ltd

DUST COLLECTION EQUIPMENT

Air Pollution Control Ltd
 Airmaster Engineering Ltd
 Ambuco Process Equipment Ltd
 Carter Industrial Products Ltd
 Dustraction Ltd
 ERG (Air Pollution Control) Ltd
 Euromatic Machine & Oil Ltd
 Fibre Flow Techniques Ltd
 Flakt Ltd

Mikropul Environmental Systems
 Nairb Air Ltd
 New Air Technical Services Ltd
 Plastic Constructions Fabrications Ltd
 Rigidon (UK) Ltd
 Sabre Gas Detection
 Sturtevant Process Ltd

DUST EXTRACTION: CYCLONES

Air Pollution Control Ltd
 Ambuco Process Equipment Ltd
 Dustraction Ltd
 Euromatic Machine & Oil Ltd
 ERG (Air Pollution Control) Ltd
 Fibre Flow Techniques Ltd
 Flakt Ltd
 Sturtevant Process Ltd
 Mikropul Environmental Systems
 New Air Technical Services Ltd
 Plastic Constructions Fabrications Ltd
 Van Tongeren International Ltd

DUST MONITORING EQUIPMENT

Analysis Automation Ltd
 Andersen Instruments Ltd
 Combustion Developments Ltd
 Enviro Technology Services Plc
 Erwin Sick Optic Electronic Ltd
 Land Combustion
 Negretti Automation Ltd
 Philips Industrial Automation

DUST SAMPLING EQUIPMENT

Analysis Automation Ltd
 Andersen Instruments Ltd
 Negretti Automation Ltd
 Sabre Gas Detection
 Shawcity Ltd
 SKC Ltd

DUST SUPPRESSION EQUIPMENT

Lucas Dawe Ultrasonics Ltd

**EFFLUENT TREATMENT:
PLANT/SYSTEM**

ABB-Kent Taylor Ltd
BCRA Scientific & Technical Services Ltd
ERG (Air Pollution Control) Ltd
Halcrow Ltd
Leeds & Northrup Ltd
Otto (UK) Ltd
Plastic Constructions Fabrications Ltd

**EFFLUENT TREATMENT: SOLUBLE
OIL PLANT**

ERG (Air Pollution Control) Ltd

ELECTROSTATIC PRECIPITATORS

Flakt Ltd
Sturtevant Process Ltd
Rigidon (UK) Ltd
Trion Ltd
United Air Specialists (UK) Ltd

**ELECTROSTATIC UNIT AIR
CLEANERS**

Air Improvement Centre
John Plymouth Ltd
Sturtevant Process Ltd
Trion Ltd
United Air Specialists (UK) Ltd

ENVIRONMENTAL ASSESSMENT

Casella Environmental Ltd
Wardell Armstrong

ENVIRONMENTAL AUDIT

AEA Environment and Energy
Aspinwall & Company
BCRA Scientific & Technical Services Ltd
Berridge Environmental Laboratories Ltd
Casella Environmental Ltd
Clayton Bostock Hill & Rigby
Cremer & Warner
Environmental Resources Ltd
Environmental Technology Centre Ltd
Halcrow Ltd
Ove Arup & Partners

Stats Environmental
Technica Ltd
Valentin Dr F H H
Wardell Armstrong

**ENVIRONMENTAL DATA
ACQUISITION**

AEA Environment and Energy
Analysis Automation Ltd
Bedfont Technical Instruments Ltd
Briel & Kjaer Ltd
Casella Environmental Ltd
Clayton Bostock Hill & Rigby
Enviro Technology Services Plc
Environmental Resources Ltd
Hawco Ltd
Land Capability Consultants Ltd
Midland Environment Ltd
Ove Arup & Partners
Philips Industrial Automation
Shawcity Ltd
Technica Ltd
Thermo Electron Ltd

ENVIRONMENTAL DATA ANALYSIS

AEA Environment and Energy
Casella Environmental Ltd
Enviro Technology Services Plc
Midland Environment Ltd
Ove Arup & Partners
Philips Industrial Automation
Rosemount Ltd
Technica Ltd

EVAPORATORS

Air Improvement Centre Ltd

FABRIC FILTERS

Air Pollution Control Ltd
Airmaster Engineering Ltd
Carter Industrial Products Ltd
Dustraction Ltd
Fibre Flow Techniques Ltd
Flakt Ltd
General Combustion Ltd

Nairb Air Ltd
 New Air Technical Services Ltd
 Sturtevant Process Ltd
 W L Gore & Associates (UK) Ltd

FANS AND BLOWERS

Dustraction Ltd
 Fibre Flow Techniques Ltd
 Flakt Ltd
 Halifax Fan Manufacturers (Int) Ltd
 John Plymouth Ltd
 New Air Technical Services Ltd
 Plastic Constructions Fabrication Ltd
 Rigidon (UK) Ltd
 Secomak Ltd

FILTER FABRICS

Flakt Ltd
 P & S Filtration Ltd
 W L Gore & Associates (UK) Ltd

FILTERS: AIR

Euromatic Machine & Oil Ltd
 SKC Ltd
 Ultrafilter Ltd
 Whatman Scientific Ltd
 W L Gore & Associates (UK) Ltd

FILTERS: DUST

Carter Industrial Products Ltd
 Euromatic Machine & Oil Ltd
 Fibre Flow Techniques Ltd
 Flakt Ltd
 Mikropul Environmental Systems
 Nairb Ltd
 New Air Technical Services Ltd
 Sturtevant Process Ltd
 Ultrafilter Ltd
 W L Gore & Associates (UK) Ltd

FILTERS: OIL MIST

Carter Industrial Products Ltd
 Flakt Ltd
 New Air Technical Services Ltd
 Ultrafilter Ltd

FILTERS: PAPER

Whatman Scientific Ltd

FILTERS: WATER

Carter Industrial Products Ltd
 Ultrafilter Ltd
 Whatman Scientific Ltd

FILTRATION EQUIPMENT

DW Viewboxes Ltd
 New Air Technical Services Ltd
 Ultrafilter Ltd

FLUE ASH AND CLINKER CONVEYING PLANT

Flakt Ltd

FLUE DUST EXTRACTION PLANT

Euromatic Machine & Oil Ltd
 Flakt Ltd
 Nairb Air Ltd
 New Air Technical Services Ltd
 Sturtevant Process Ltd

FLUE GAS DUST MONITORING DEVICE

Anacon Corporation Ltd
 Combustion Developments Ltd
 Enviro Technology Services Plc
 Erwin Sick Optic Electronic Ltd
 Land Combustion
 Philips Industrial Automation

FLUE GAS DUST SAMPLING EQUIPMENT

Analysis Automation Ltd
 Andersen Instruments Ltd
 Philips Industrial Automation
 Sabre Gas Detection
 Shawcity Ltd

FLUE GAS TREATMENT

Flakt Ltd
 Nairb Air Ltd

**FUGITIVE DUST SAMPLING
EQUIPMENT**

Andersen Instruments Ltd
Sabre Gas Detection

FUME REMOVAL EQUIPMENT

Ambuco Process Equipment Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Fibre Flow Techniques Ltd
Flakt Ltd
John Plymouth Ltd
Nairb Air Ltd
Secomak Ltd
Sturtevant Process Ltd
United Air Specialists (UK) Ltd

FURNACES, OVENS, KILNS, etc.
Leeds & Northrup Ltd

GAS CLEANING PLANT

Air Pollution Control Ltd
Ambuco Process Equipment Ltd
Flakt Ltd
Nairb Air Ltd
Rigidon (UK) Ltd
Sturtevant Process Ltd

GAS PURIFIERS

Dryvent Ltd
Jones and Attwood Ltd
Ultrafilter Ltd

GAS SCRUBBERS AND WASHERS

Air Pollution Control Ltd
Ambuco Process Ltd
Carter Industrial Products Ltd
Flakt Ltd
Mikropul Environmental Systems
Plastic Constructions Fabrications Ltd
Rigidon (UK) Ltd
Sturtevant Process Ltd

GRIT ARRESTORS

Ambuco Process Equipment Ltd

New Air Technical Services Ltd
Van Tongeren International Ltd

GROUND WATER SAMPLING

Enviro Technology Services Ltd

HEAT EXCHANGERS

Plastic Constructions Fabrications Ltd

HEATERS: AIR

Secomak Ltd
Urquhart Engineering co Ltd

HEATERS: FAN

Secomak Ltd

HEATERS: INFRA-RED

Hawco Ltd

HEATERS: THERMAL FLUID

General Combustion Ltd

HUMIDIFIERS

Air Improvement Centre Ltd

HUMIDITY CONTROLLERS

Air Improvement Centre Ltd

HUMIDITY RECORDERS

ABB-Kent Taylor Ltd
Kane-May Ltd

INCINERATORS

Flakt Ltd
Jones and Attwood Ltd
Urquhart Engineering Co Ltd

INCINERATORS: GASES

General Combustion Ltd

INCINERATORS: LIQUIDS

General Combustion Ltd

INCINERATORS: SOLID WASTE

General Combustion Ltd

**INCINERATOR EMISSION
MONITORING SYSTEMS**

Enviro Technology Services Plc

INDICATORS: FLOW

ABB-Kent Taylor Ltd

Euromatic Machine & Oil Ltd

Platon Instrumentation

INDICATORS: HUMIDITY

ABB-Kent Taylor Ltd

Jenway Ltd

INDICATORS: pH

ABB-Kent Taylor Ltd

Jenway Ltd

Leeds & Northrup Ltd

INDICATORS: SMOKE DENSITY

Land Combustion

INDICATORS: SOUND LEVEL

Bruel & Kjaer Ltd

Cirrus Research Ltd

Negretti Automation

**INFORMATION SERVICES:
PUBLISHERS**

Elsevier Applied Science Publishers

**INSTRUMENTS: GAUGES,
METERS, etc.**

Euromatic Machine & Oil Ltd

Hawco Ltd

Leeds & Northrup Ltd

Platon Instrumentation

Rosemount Ltd

INSULATION: ACOUSTICS

Acoustic Technology Ltd

Sound Absorption Ltd

**KITS: ANALYSIS, TESTING AND
SAMPLING**

Negretti Automation Ltd

SKC Ltd

LABORATORY FUME CABINETS

Bassaire Ltd

LABORATORY INSTALLATIONS

Bassaire Ltd

LEAK DETECTORS

Bruel & Kjaer Ltd

Servomex (UK) Ltd

**MEASUREMENT AND DETECTION
EQUIPMENT**

Bruel & Kjaer Ltd

Crowcon Instruments Ltd

Platon Instrumentation

Sabre Gas Detection

MECHANICAL COLLECTORS

Flakt Ltd

**METEOROLOGICAL
INSTRUMENTS**

Enviro Technology Services Plc

Thermo Electron Ltd

METEOROLOGICAL STATIONS

Casella Environmental Ltd

Enviro Technology Services Plc

MOBILE LABORATORIES

Casella Environmental Ltd

Clayton Bostock Hill & Rigby

Enviro Technology Services Plc

Philips Industrial Automation

Thermo Electron Ltd

MONITORING EQUIPMENT

Bruel & Kjaer Ltd

Enviro Technology Services Plc

Sabre Gas Detection

SKC Ltd
Thermo Electron Ltd

MULTI-COMPONENT AIR QUALITY ANALYZERS

Enviro Technology Services Plc

NOISE CONTROL MATERIALS

Ferguson & Timpson Ltd
Sound Attenuators Industrial Ltd

NOISE SUPPRESSION

Acoustic Technology Ltd
Acoustical Investigation & Research Ltd
Bruel & Kjaer Ltd
Midland Environment Ltd
S & H Noise Consultants
Technica Ltd
Travers Morgan Consulting Group

NOISE/VIBRATION: COMMUNICATION SYSTEMS

Technica Ltd

NOISE/VIBRATION: CONTROL SYSTEMS

Acoustic Technology Ltd
Technica Ltd

NOISE/VIBRATION: MEASURING EQUIPMENT

Acoustic Technology Ltd
Bruel & Kjaer Ltd
Cirrus Research Ltd
Negretti Automation Ltd
Shawcity Ltd

NOISE/VIBRATION: PROTECTIVE DEVICES

Haskel Energy Systems Ltd
Sound Attenuators Industrial Ltd

NO_x ANALYSERS

Erwin Sick Optic Electronic Ltd

ODOUR ABSORPTION

Air Pollution Control Ltd
Flakt Ltd
Plastic Construction Fabrications Ltd
Rigidon (UK) Ltd
Sturtevant Process Ltd
Valentin Dr F H H

ODOUR CONTROL

Air Pollution Control Ltd
Casella Environmental Ltd
Cremer & Warner
Flakt Ltd
Jones & Attwood Ltd
Nairb Air Ltd
Plastic Construction Fabrications Ltd
Rigidon (UK) Ltd
Sturtevant Process Ltd
Valentin Dr F H H

OIL MIST ELIMINATORS

Carter Industrial Products Ltd
Flakt Ltd
John Plymouth Ltd
Ultrafilter Ltd

ORGANIC VAPOUR MONITORS

Enviro Technology Services Plc

Ovens: INDUSTRIAL

Flakt Ltd

PARTICLE SIZE ANALYSIS FACILITIES

Andersen Instruments Ltd
Casella Environmental Ltd
Envirotest Ltd
Flakt Ltd
Leeds & Northrup Ltd

pH APPARATUS

Horiba Instruments Ltd
Jenway Ltd
Leeds & Northrup Ltd
Rosemount Ltd

POLLUTION CONTROL ADVISORY SERVICES

AEA Environment and Energy Ltd
 Casella Environmental Ltd
 Clayton Bostock Hill & Rigby
 Cremer & Warner
 Environmental Technology Centre
 Halcrow Ltd
 Land Capability Consultants
 Ove Arup & Partners
 Stats Environmental
 Travers Morgan Consulting Group
 Valentin Dr F H H
 Wardell Armstrong

POLLUTION MONITORING: EQUIPMENT HIRE

Analysis Automation Ltd
 Casella Environmental Ltd
 Enviro Technology Services Plc
 Negretti Automation Ltd
 Thermo Electron Ltd

PROCESS INSTRUMENTATION

Enviro Technology Services Plc
 Euromatic Machine & Oil Ltd
 Hawco Ltd
 Leeds & Northrup Ltd
 Platon Instrumentation

PUMPS

Plastic Constructions Fabrications Ltd
 Platon Instrumentation

RADIATION DETECTION AND MONITORING

AEA Environment and Energy
 Casella Environmental Ltd
 Negretti Automation Ltd
 Thermo Electron Ltd

RECORDERS

ABB-Kent Taylor Ltd
 Leeds & Northrup Ltd

RESEARCH AND DEVELOPMENT FACILITIES

AEA Environment and Energy
 British Textile Technology Group
 Flakt Ltd

RESPIRATORS

Draeger Ltd

RESPIRATOR HELMETS

Draeger Ltd

ROOF VENTILATORS

Dryvent Ltd
 Plastic Constructions Fabrications Ltd

SCRUBBERS

Air Pollution Control Ltd
 Ambuco Process Equipment Ltd
 Dustraction Ltd
 ERG (Air Pollution Control) Ltd
 Sturtevant Process Ltd
 Mikropul Environmental Systems
 Jones and Attwood Ltd
 Nairb Air Ltd
 Plastic Constructions Fabrications Ltd
 Rigidon (UK) Ltd

SEWAGE TREATMENT PLANT

Airoil-Flaregas Ltd
 Otto (UK) Ltd

SILENCERS

Airoil-Flaregas Ltd
 Plastic Constructions Fabrications Ltd

SITE INVESTIGATION

AEA Environment and Energy Ltd
 Associated Laboratory Services Ltd
 BCRA Scientific & Technical Services Ltd
 Berridge Environmental Laboratories Ltd
 Casella Environmental Ltd
 Clayton Bostock Hill & Rigby
 Environmental Resources Ltd
 Ove Arup & Partners

Stats Environmental
Travers Morgan Consulting Group

SLEEVES AND TUBES (for Fabric Filters)
Fibre flow Techniques Ltd

SLIDE SETS (POLLUTION etc.)
DW Viewboxes Ltd

SOIL GAS ANALYSIS SYSTEM
Enviro Technology Services Plc

SOIL REMEDIATION EQUIPMENT
General Combustion Ltd

SOLVENT RECOVERY PLANT
Otto (UK) Ltd

SPECTROMETERS
Thermo Electron Ltd

SPRAYING APPARATUS
ERG (Air Pollution Control) Ltd

**STACK EMIMSSIONS:
MONITORING EQUIPMENT**
AEA Environment and Energy
ADC Ltd
Andersen Instruments Ltd
BCRA Scientific & Technical Services Ltd
Cavendish Applied Technology
Combustion Developments
Draeger Ltd
Enviro Technology Services Plc
Erwin Sick Optic Electronic Ltd
Horiba Instruments Ltd
Land Combustion
Leeds & Northrup Ltd
Philips Industrial Automation
Rosemount Ltd
Thermo Electron Ltd

SULPHUR DIOXIDE ANALYSERS
Erwin Sick Optic Electronic Ltd

**SULPHUR DIOXIDE REMOVAL
SYSTEMS**
Plastic Constructions Fabrications Ltd

SULPHUR RECOVERY PLANT
Airoil-Flaregas Ltd

TANKS AND TANK LININGS
Plastic Constructions Fabrications Ltd

TELEMETRY SYSTEMS
Enviro Technology Services Plc
Philips Industrial Automation

TEMPERATURE RECORDERS
ABB-Kent Taylor Ltd
Hawco Ltd
Kane-May Ltd
Leeds & Northrup Ltd
Shawcity Ltd

**THERMOMETERS,
INDICATORS, etc.**
Hawco Ltd
Jenway Ltd
Kane-May Ltd

THERMOSTATS
Hawco Ltd

TOWERS
Plastic Constructions Fabrications Ltd

TRAINING COURSES
Casella Environmental Ltd

UNIT DUST COLLECTORS
Airmaster Engineering Ltd
Carter Industrial Products Ltd
Dustraction Ltd
Flakt Ltd
Mikropul Environmental Systems Ltd
Nairb Air Ltd
New Air Technical Services Ltd

VACUUM CLEANERS:
COMMERCIAL
Medivac

VACUUM CLEANERS: DOMESTIC
Medivac

VACUUM CLEANERS: INDUSTRIAL
Flakt Ltd
Medivac
New Air Technical Services Ltd

VACUUM CLEANERS: MEDICAL
Medivac

VACUUM PUMPS AND EQUIPMENT
Secomak Ltd

VENTILATORS
Plastic Constructions Fabrications Ltd

VENTURI SCRUBBERS
Air Pollution Control Ltd
Ambuco Process Equipment Ltd
Carter Industrial Products Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Mikropul Environmental Systems
Nairb Air Ltd
Plastic Constructions Fabrications Ltd
Rigidon (UK) Ltd
Sturtevant Process Ltd

WASHERS: AIR OR GAS
Carter Industrial Products Ltd
Plastic Constructions Fabrications Ltd
Sturtevant Process Ltd

WASTE DISPOSAL EQUIPMENT
Sturtevant Process Ltd

WASTE DISPOSAL SPECIALISTS
Casella Environmental Ltd
Land Capability Consultants Ltd

WASTE FUEL BOILER PLANT
Nordistribution Ltd

WASTE PURIFICATION
BCRA Scientific & Technical Services Ltd

WATER SAMPLERS
Enviro Technology Services Plc

WATER TREATMENT PLANT
Carter Industrial Products Ltd
ERG (Air Pollution Control) Ltd
Otto (UK) Ltd

WET ARRESTORS
Dustraction Ltd
Rigidon (UK) Ltd





nsca

1992

MEMBERS HANDBOOK

national society for clean air
and environmental protection



1992

MEMBERS HANDBOOK

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ENVIRONMENTAL PROTECTION 1992

ANNUAL CONFERENCE AND EXHIBITION

BOURNEMOUTH

19 - 22 OCTOBER 1992

The 59th Annual Conference and Environmental Protection Exhibition will be held in the Bournemouth International Conference Centre. Each year the Conference addresses a wide range of environmental issues, covering the fields of air pollution, noise, waste disposal, energy policy and more.

CONFERENCE SESSIONS

Environmental Protection Act

Waste Disposal

Pollution Monitoring

Noise Control

Energy and the Environment

UNCED - the Earth Summit

Water Quality

Situations Reports

For more information contact

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NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

NSCA is a non governmental organisation and a registered charity. Its origins date back to the Coal Smoke Abatement Society — founded 1899. In the past decade the interests of the Society have expanded considerably and its work now covers all aspects of air and noise pollution as well as waste.

AIMS

NSCA aims to secure environmental improvement through the reduction of air pollution, noise and other contaminants, while having due regard for other aspects of the environment. NSCA advances the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention. The Society is funded by members' subscriptions, donations and monies raised by activities.

MEMBERSHIP

The members of NSCA are private individuals, local authorities, educational establishments, professional institutions and the fuel and other industries.

ORGANISATION

The elected Council is the Society's governing body and an administrative staff headed by the Secretary General is employed. The Society is divided into geographical divisions which organise meetings and activities at a regional level. There are five specialist national committees of nominated members and co-opted specialists. Working groups consider specific issues when appropriate.

POLICY

The Society is recognised nationally and internationally for its balanced arguments, response to issues, integrity and promotion of public education. Policy discussion and formulation is initiated by NSCA Divisions and at the annual conference as well as within the governing Council. Policy details are evolved by the appropriate standing committees.

ACTIVITIES

NSCA makes representations to government, other authorities and agencies and industry on all matters relating to air pollution, noise, waste and other environmental issues. This includes contributing to the drafting of legislation and standards, technical matters and local and national issues. NSCA organises conferences and workshops, produces a wide range of information and educational publications and regular briefings on current issues.

INFORMATION AND PUBLICATIONS

The Society has an extensive library, and the information department provides a service to both members and the public. Publications include a range of leaflets covering current issues and legislation, the annual Pollution Handbook and quarterly journal Clean Air; as well as conference papers, technical papers, and occasional reports and surveys.

SECTION 1

**Chairman's Report 1990-1991
Accounts 1 April 1990
-31 March 1991**

CHAIRMAN'S REPORT

I - GENERAL

The Role of the Society

The tide of concern about the environment which rose swiftly to full flood towards the end of the year ebbed just as quickly as the media - and the nation - found other pressing issues to worry about. Nevertheless, as the number and range of enquiries now being handled by our information service show - up on last year to over 11,000 - it is clear that people continue to care deeply about the environment. It appears, too, that following their laissez-faire approach through the 70s and early 80s, our politicians now understand how 'greenness' wins votes - as the publication of the White Paper and the parallel environment strategy statements of the opposition parties testify. However, what governments say and what governments do are often very different: central to the effective environmental protection of the UK is the apparent inability of the British political system to develop long-term solutions to environmental problems. In this regard alone, the role of the Society has never been more important.

As I write this some weeks ahead of the AGM, we are waiting to see the details of the Government's surprise proposal to establish an environmental protection agency combining the pollution control responsibilities of the National Rivers Authority with those of HM Inspectorate of Pollution. The Society has always endorsed the need for integrated pollution control, which was first proposed by the Royal Commission on Environmental Pollution in their 5th Report (1976). However, as Bill Snow pointed out in his Annual Report two years ago, the requirement is for an independent agency to co-ordinate environmental regulation across the board, including energy, transport and agriculture. It would, of course, have to be properly resourced. Thus, in welcoming the promise of more political independence for pollution regulation, it appears that the latest proposals could fall well short of full and effective integration. In any event, they relate only to the regulation of industrial pollution.

Last year, the lead-up to the passing of the *Environmental Protection Act* saw us respond to nineteen requests for consultation from Government and Select Committees. This year, towards implementing the Act, the tally has risen to twenty-three. I repeat, therefore, without apology, the well-tried phrase of my predecessors that "it has been another busy year". Moreover, the international problems of global warming, stratospheric ozone depletion and acid rain continue to bear heavily on the work of the Committees, as do the more local problems such as waste disposal, road traffic and neighbourhood noise - to name but three!

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Liaison with Other Bodies

As for our relationships with outside bodies, the Society continues to be widely represented on the Investigation of Air Pollution Standing Conference. We are also members of the Parliamentary and Scientific Committee and of the Environmental/Public Issues Panels of the National Radiological Protection Board, and the Radioactive Waste Management Advisory Committee. Our Secretary General continues to serve on the Executive of the Environment Council and represents the Society in the Energy Industries Club and the Industrial Fuel Economy Group. The Society is also a member of the UK Environmental Law Association and has recently become a full member of the Council for Environmental Education. The latter will be important in ensuring our effective contribution to the National Curriculum.

IUAPPA

As you will know, the Society is a founder member (1964) of the International Union of Air Pollution Prevention Associations (IUAPPA), for which we also provide the secretariat and editorial and publishing support. As well as producing its quarterly newsletter, a second and greatly enlarged edition of its standard work *Clean Air Around the World* - which covers the law and practice of air pollution control in 27 countries, together with special chapters on United Nations Conventions and Protocols and European Community legislation has just been published. There is every reason to anticipate that the book will be in great demand worldwide. Through its membership of the International Union of Technical Associations (UITA), the Union enjoys consultancy status with many United Nations organisations including the United Nations Environment Programme (UNEP), the UN Economic Commission for Europe (UN-ECE), the United Nations Industrial Development Organisation (UNIDO), the World Meteorological Organisation (WMO) and UNESCO. It also keeps in touch with the Commission of the European Community (CEC) and the Organisation for Economic Cooperation and Development (OECD). Our Secretary General, John Langston, was elected Director General of the International Union in 1986 and continues to hold this honorary appointment. Our own editor, Loveday Murley, is also IUAPPA's editor.

While a primary objective of IUAPPA is to convene a World Congress on air quality every three years - the next being in Montreal in September 1992 - it also sponsors Regional Conferences to meet the needs of the developing countries specifically tailored to promote technology exchange. The first of these was held in Pretoria last November, concentrating on the growing needs of Southern Africa as a whole. A second Conference covering the West Pacific rim was held in Seoul in September, while others are planned for Eastern Europe and South East Asia in 1992. I am pleased to say that NSCA members will be contributing to all these events. Finally, but not least, the Technical Committee has assisted in drafting a comprehensive Declaration by IUAPPA calling on all Governments participating in the UN Conference on Environment and Development (in Rio de Janeiro, in June 1992) to "reorient their existing programmes that currently favour treatment and disposal towards pollution prevention". This important statement has been welcomed by the Government.

AICB

As the UK member of the Association Internationale Contre le Bruit (AICB) - the International Association Against Noise - the Society has been represented on its governing body for a number of years. The 17th International Congress of the Association will be held in September 1992 in Prague, the theme being "Objectives for Noise Abatement in the Future Europe". Again, we shall look forward to substantial representation by NSCA members.

The Divisions

I am delighted to report that overall the Divisions have never been more active - with most reporting increased attendances at meetings devoted to specific issues. In addition, the Scottish, North West, and West Midlands Divisions have all organised highly successful one-day seminars, whilst the newly-named South East Division (assuming the change is accepted by the AGM) will be holding another later this year. All this bodes well, underlining the way in which the Divisions continue to generate the drive and purpose which constitutes a fundamental strength of the Society. If lack of space prevents me from covering individual programmes of the Welsh, Northern Ireland and other English Divisions, let me say that all have been busy, as their members will testify. As ever, for all these activities we are deeply indebted to the Honorary Secretaries and their other helpers, without whose commitment and hard work nothing would happen.

As an important and exciting new development, I am particularly pleased to announce the appointment in July of Mrs Clare Carruthers as our new Scottish member of staff based in Glasgow. After full discussion in Council, the Division was authorised to apply to the Scottish Office for a Special Grant amounting to 50% of the core-funding of a part-time administrative officer to progress the affairs of the Division. This also took into account the very generous offer of the Glasgow City Council to provide office accommodation rent-free within the Environmental Health Department in the City Chambers. With the grant subject to annual approval, the long-term success of this venture will obviously have to be kept under review. However, it has made an excellent start - and we wish the Division and Mrs Carruthers continuing success.

The Standing Committees

The reputation of our Standing Committees is another of our basic strengths. We are outstandingly fortunate in having the voluntary services of a wide cross-section of the nation's experts, embracing all disciplines. Committee work of this sort involves time and effort, and I would like to take this opportunity of thanking all members of Council and all members of the Committees and their Working Groups for attending the meetings and, very often, taking the trouble to put their thoughts into writing.

Another welcome step is the Council's approval of the change of name of the Noise

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Committee to the National Noise Committee, thus acknowledging the growing reputation of the Committee as authoritative experts on all noise issues.

We owe a particular debt of gratitude to the co-opted members of the Committees, whose specialist advice is so critical to policy-making. This year, special votes of thanks are due to the Waste Disposal Working Group under the chairmanship of Byrom Lees, the Climate Change Working Group under the chairmanship of Dr. Ron Barnes, and the Neighbourhood Noise Working Group.

Whilst Part II of this Report covers the activities of the Technical, Parliamentary and Local Government and Noise Committees, as you will know, the Conference and Promotions Committee and the Finance and Administration Committee are always busy. In organising the Society's Annual Conference, Spring Workshop and training seminars, and in formulating and implementing publications policy, the Conference and Promotions Committee is directly responsible for generating over half of the Society's gross revenue. Equally, the Finance and Administration Committee ensures that our activities are both properly funded and represent value for money. In this regard, I would particularly like to thank our Honorary Treasurer, Brian Edwick, for his devotion to the well-being of the Society.

Department of the Environment Grant

The scale of our operations is shown by the annual budget, which now exceeds £300,000. Until we achieve the increase in income promised by last year's AGM decision to raise subscriptions, we anticipate that the income and expenditure account will be in deficit by, hopefully, relatively small amounts this year and next. However, as the balance sheet shows, without the Special Grant from the Department of the Environment we would be quite unable to maintain the public information and library service at the level of demand now placed upon it. Thus we are indebted to the Department of the Environment for funding a generous proportion of the cost of this service. Under the terms of the Special Grant Scheme, which runs for a period of three years, the present award ceases on 31st March 1992: we trust that our application for a new grant will be viewed sympathetically and generously.

Presidential Matters

During his second year in office our President, Sir John Mason, has been extremely active both in public and behind the scenes in promoting the affairs of the Society. In chairing sessions of the Annual Conference and addressing Divisional meetings he has influenced the formulation of policy, whilst his willingness to press our case at every level has been noteworthy. We are most grateful, and I am delighted to think that as Immediate Past President, Council will continue to have the benefit of his advice. This is also my opportunity to congratulate him on receiving the award of the Royal Society's Gold Medal for his distinguished contributions to the science of cloud physics and other achievements in the field of meteorology.

Baroness Platt of Writtle, our incoming President, is an aircraft engineer of national and international renown and an educationalist of distinction. Among her many appointments she is currently Vice-President of the University of Manchester Institute of Science and Technology. She is also a member of the Board of British Gas and a Fellow of The Institution of Gas Engineers. She also brings to the Society wide experience in local government as a long-time member and former Alderman of Essex County Council. From 1983 - 88 she was Chairman of the Equal Opportunities Commission. In welcoming her to the Society, it is encouraging to realise that we can continue to attract people of such influence and authority to accept our highest office.

We are also extremely fortunate in the quality of our Vice-Presidents, and it is a matter of great satisfaction that Ken Collins, MEP, Sir Hugh Rossi, Kt, MP and Gareth Wardell, MP have agreed to accept a further term of office.

Personnel

We are favoured, too, in enjoying the services of a highly professional staff, all of whom are committed to the objectives of the Society and all of whom identify personally with its members. Their unremitting hard work in ensuring that the Society continues to be recognised for the quality of both its pronouncements and products has continued to be outstanding. In thanking them for their support, I am glad to add that there have been no major changes in staff during the year.

Secretary General

Nevertheless, after holding the reins for eleven years, John Langston will shortly be handing them over to Dr. Tom Crossett. John tells me that he has hugely enjoyed his years with the Society - adding that he has never met a member whom he did not instinctively like, or been required to press a cause with which he could not personally identify. In wishing him a long, happy and healthy retirement I am pleased that he will be keeping in touch through his position as Director General, IUAPPA.

Tom Crossett brings to the Society exceptionally wide experience at the highest levels in science, government and industry. Currently Environment Director of National Power and before that Chief Scientist for Fisheries and Food in MAFF, we extend to him the warmest of welcomes and all good wishes in meeting the tasks which lie ahead.

II - ACTIVITIES

Environmental Protection Act 1990 and the White Paper

Much of the Society's activity in the past year has resulted, directly or indirectly, from the publication of two important documents: the *Environmental Protection Act 1990 (EPA)* and the White Paper on the environment, *This Common Inheritance*. NSCA was one of many organisations involved in lobbying during the passage of the EPA and it does bear out our mark in several places - although not as many as we might have wished! Now the legislation is in place we have been involved in numerous consultations on matters of implementation, particularly in relation to Part I of the Act. Draft process guidance notes for processes controlled both by HMIP and local authorities have received comment, as have a range of draft regulations covering Integrated Pollution Control and local authority powers. On a very practical note, representatives from several NSCA Divisions attended special training workshops designed to spread information about the implementation of EPA Part I at local authority level.

The White Paper failed to meet up to the great expectations which had preceded its publication. Nonetheless, it provided the first consolidated checklist of environmental policy objectives, if vaguely couched. It also contained a number of policy commitments which accorded with NSCA objectives, and which we have been able to pursue through our lobbying activities. We have seen particularly encouraging movement in the areas of motor vehicle pollution and noise control.

Motor Vehicle Pollution

The White Paper included a welcome commitment to introduce MOT emissions testing, although NSCA and many other organisations commented that the standards proposed were too lax. Despite our efforts, the Department of Transport was unmoved, and efforts now centre on the implementation of the EC Roadworthiness Directive which would allow the introduction of standards based on manufacturers emission standards - an NSCA objective.

More successfully, DTp moves to increase the road speed limit were headed off thanks to pressure from NSCA and other groups concerned about the environmental impact of the proposals. We also supported the introduction of speed limiters for heavy goods vehicles.

The Society has campaigned for a range of fiscal measures on car and fuel taxation to cut energy use and air pollution from road vehicles, and registered its disappointment that more was not achieved by the March Budget.

For the first time, emissions of black smoke from road vehicles - mainly diesels - have overtaken domestic emissions, mainly from coal burning, as the chief source of smoke in the UK. NSCA published a Briefing showing that smoke pollution from vehicles seemed set to

rise. We pointed out that much of the problem is due to inadequate controls: the police are unwilling to prosecute unless the smoke is such to constitute a hazard, and environmental health officers have no powers to stop vehicles on the road. In addition, a DOE leaflet (*Wake Up To What You Can Do For The Environment*) encouraged people to report smoky vehicles to their regional traffic area office. In practice, however, we found it difficult to locate the right office, and when we did, most knew nothing about the scheme! NSCA challenged the DTp to publish telephone numbers for the public to report smoking diesels. To our delight they complied, and following several parliamentary questions promised to follow up complaints. NSCA has also briefed a number of local authorities interested in developing “smoke-spotting” schemes and we anticipate that this area of activity will continue to expand.

Finally, NSCA undertook a survey of car manufacturers to determine future plans for the fitting of catalytic converters and carbon canisters - the latter are of particular interest in view of developing EC policy on evaporative emissions. Not surprisingly, the survey showed that cars at the luxury end of the market, where costs can be more easily absorbed, would be more likely to benefit from the new technologies. From the point of view of global warming, however, the use of smaller, more fuel efficient cars should be encouraged. We are drawn to the conclusion that tax incentives are required to redress the balance in favour of the environment, and that without such intervention, the uptake of catalysts is likely to be slow until they become a mandatory requirement. Millions of polluting cars will have been sold in the interim.

Noise

The White Paper previewed the publication of the report of the DOE Noise Review Working Party - the *Batho Report* - which brought a wide-ranging and radical reassessment of noise legislation. NSCA was represented on the Working Party and can claim to have significantly influenced the recommendations. One of these, relating to the duty of local authorities to respond to neighbour noise complaints, was included as a last-minute amendment to the EPA. A number of the report's other recommendations have also been followed up by the Government; NSCA has commented on new proposals for improving building regulations and car alarms. The Society's National Noise Committee will be pressing for further action with its customary vigilance. In view of the new legislation covering statutory noise nuisance the Committee has produced a public advice sheet on neighbour noise problems; over 60,000 copies have already been distributed through local authorities and by the NSCA information service in the first four months following publication. Guidance for local authorities on the interpretation of the new legislation will also be published shortly.

Air Pollution Reports

Another White Paper commitment which met with NSCA approval was the promise to release more information about air quality from the Department of the Environment monitoring network. The DOE now classifies air quality as very good, good, poor, or very poor according to the presence of three indicator pollutants. The “good” band overlaps the EC health warning

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threshold and WHO guideline for ozone; NSCA has argued that the word “moderate” air quality would be more appropriate for this band. In May the Department of Health issued health advice to be released when air quality becomes poor. Despite our quibble with the terminology used, we have campaigned to persuade the media to publish the air quality data with some success. In a parallel development, we have advised several local authorities who are undertaking their own monitoring on the criteria to be used for informing the press and public about air quality.

Smoke Control

We are pleased to note the continued progress made by local authorities in introducing smoke control areas, and extend our congratulations to those who completed their programmes in the last year. I know that some areas subject to derogations are still working hard to meet their commitments and we look to the Department of the Environment to maintain its financial support so that programmes may be completed as rapidly as possible.

Following representations by the Society and others, the Government has indicated its intention to ban the sale of unauthorised fuels in smoke control areas. We look forward to commenting on the draft regulations in due course.

Municipal Waste

Controversy continues to surround plans for new waste incineration plant. In part the poor reputation is deserved. Research by Warren Spring Laboratory and by this Society has shown that most of the UK's current municipal and clinical waste incinerators are grossly polluting, and are being allowed too long - five years or so - to clean up their emissions. However the same does not hold true of new incineration plant, which must meet very strict EC Directive emission limits with sophisticated technology.

The NSCA published a discussion paper entitled *Can Britain Afford to Waste Municipal Waste?* This looked at schemes in North America and Europe and suggested that the incineration of waste under properly controlled combustion conditions could both reduce the volume of waste and be a valuable source of energy. As mentioned above, incineration does however have a bad reputation in this country, and the Society clearly has a continuing educational role in this field.

Agricultural Burning

The 1990 survey of straw and stubble burning indicated a decrease in nuisance, probably in anticipation of the 1993 ban. We shall continue to monitor the success of the interim crop-burning regulations and the ultimate ban, but the Society can take some pride in considering the battle against stubble burning to have been largely won.

Parliamentary Activities

The White Paper was shadowed by environmental policy statements from the opposition parties. NSCA issued a Briefing comparing the commitments made in the three documents with our own objectives. We have also been asked to advise MPs on many aspects of environmental policy and have drafted around forty parliamentary questions for MPs of all parties during the last parliamentary session. NSCA's regular policy Briefings reach an increasing number of MPs, Lords, MEPs, civil servants, journalists and other influential figures.

Library and Information Service

Last year saw yet another steep rise in the demand for information, partly from schoolchildren but also from industry and from local authorities. In all, over 11,000 postal and telephone enquiries were processed. We are indebted to the Department of the Environment grant for funding a proportion of this work.

Publications

Once again demand for the *Pollution Handbook* exceeded our expectations and we were forced to reprint. The annual Handbook has carved a solid niche as an indispensable source of reference for anyone working in pollution control and only modesty forbids us to mention some of the famous bookshelves on which it may be found! Several other publications have been mentioned above, and we are pleased to have produced two new educational booklets entitled *A Junior Guide to Air Pollution* and *An Introduction to Pollution*. The range of information leaflets has also been considerably updated and expanded; new leaflets during the year include *Air Pollution and Human Health* and *Neighbour Noise Problems - What You Can Do*. The number distributed over the last two years approaches one million.

Conferences and Meetings

The 57th Clean Air Conference in Brighton was a very international affair and we were delighted to welcome representatives from IUAPPA as well as a range of air pollution experts from across Europe. The 1991 Spring Workshop, returning to the elegant surroundings of Lincoln College Oxford, was a fully-subscribed success and concentrated on the *Environmental Protection Act*. We are indebted to our Immediate Past President, Lord Nathan, for leading the Workshop. A training seminar on new pollution monitoring techniques attracted a specialist audience to the National Exhibition Centre in September. Several NSCA Divisions also organised special meetings on a range of environmental topics with good attendances all round.

Concluding Remarks

A Society is only as good as its members, and the NSCA is no exception. It represents a broad church of opinion and rests on a sure foundation. I look to the future with confidence. The

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NSCA is able to propose a balanced approach to environmental problems, drawing on the wide expertise which members possess in ample measure.

We live in times of continual change. Greater environmental awareness tests the resources of the excellent headquarters staff, on whom we rely so much. John Langston will be retiring from the post he has held so ably for 11 years, his wise counsel being replaced by that of Tom Crossett. It is time for Officers of the Society to relinquish their posts. For my part the year has passed swiftly, having been extremely enjoyable, particularly so in being able to meet the many people who contribute so ably to the success of the Society. I regret, however, not being able to fulfil all my commitments. May I thank both my employer, South Oxfordshire District Council, for allowing me the honour of serving the Society, and my colleagues for covering for my absences from the office on Society business.

I commend to you the Deputy Chairmen, Jane Inglefield, and Jim Harrison as my successors, and know the Council of the Society will be in excellent hands, particularly so being able to rely on such sure support as I have been privileged to receive in so many areas this year.

A. J. Rees
Chairman of Council

ACCOUNTS 1990-1991

THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION (Company Limited by Guarantee - Incorporated 5th December 1957)

BALANCE SHEET

31st MARCH 1991

	Notes	1991 £	1990 £
TANGIBLE FIXED ASSETS			
Office furniture & equipment	2 & 3		
Cost or valuation		36,758	35,978
Accumulated depreciation		(26,850)	(28,238)
		9,980	7,740
Library books at nominal value		100	100
		<u>10,008</u>	<u>7,840</u>
CURRENT ASSETS			
Sundry debtors		3,710	7,027
Prepayments		506	3,012
		4,216	10,039
Stock of publications	2	7,750	5,225
Quoted investments	4	34,056	38,798
Bank balances		101,424	117,316
Cash in hand		50	75
Funds held by divisions		1,553	1,162
		<u>149,049</u>	<u>172,615</u>
CREDITORS			
Amounts falling due within one year:			
Sundry creditors & accrued expenses		(24,885)	(13,948)
NET CURRENT ASSETS		<u>124,164</u>	<u>158,667</u>
TOTAL ASSETS LESS CURRENT LIABILITIES		<u><u>£134,172</u></u>	<u><u>£166,507</u></u>
GENERAL FUND			
Balance at start of year		112,929	110,420
(Deficit) surplus for the year		(34,747)	2,509
Profit on disposal of quoted investment		2,412	-
Balance at end of year		<u>80,594</u>	<u>112,929</u>
PREMISES FUND		<u>53,578</u>	<u>53,578</u>
		<u><u>£134,172</u></u>	<u><u>£166,507</u></u>

The accounts were approved by the Council of the Society on 19th September 1991 and signed on its behalf by:
 Air Commodore J. Langston - *Secretary General*
 B.H. Edwick - *Honorary Treasurer*

The Notes on page 16 form part of these accounts

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THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION INCOME AND EXPENDITURE ACCOUNT

for the year ended 31st March 1991

		1991		1990	
	Notes	£	£	£	£
INCOME					
Subscriptions & donations	2		79,655		64,831
Conference, Brighton, October 1990			43,319		-
Conference, Scarborough, October 1989			-		43,077
Workshop, Oxford, April 1989			-		13,121
Workshop, Newcastle Upon Tyne, March 1990			-		6,965
Sales of publications			49,921		44,459
Advertising revenue:					
Clean Air		3,279		2,806	
Members' Handbook		<u>4,388</u>		<u>2,299</u>	
			7,667		5,105
Investment income:					
Dividends		8,165		7,113	
Interest		<u>15,441</u>		<u>15,169</u>	
			23,606		22,282
Contributions from IUAPPA/CICIND			9,921		15,191
Grant from the Department of the Environment	5		36,925		35,000
Profit on sale of office equipment			-		440
			<u>251,014</u>		<u>250,471</u>
EXPENDITURE					
Staff costs:					
Salaries & wages		107,481		90,710	
Social security costs		<u>10,749</u>		<u>9,224</u>	
		118,230		99,934	
Other costs:					
Sub-contract labour		19,112		19,840	
Rent, rates, electricity & heat	6	16,640		11,859	
Insurance, travel, cleaning & general expenses		34,966		22,790	
Audit fee & financial advice		950		950	
Depreciation - office furniture & equipment	2 & 3	6,073		4,099	
Stationary & supplies		6,568		5,509	
Irrecoverable VAT input tax	7	<u>5,563</u>		<u>3,118</u>	
		<u>208,102</u>		<u>168,099</u>	
Clean Air and Members' Handbook		13,071		12,695	
Information & publicity services		12,153		8,690	
Research grants	5	590		775	
Cost of publications		21,156		18,195	
Divisional expenses		2,660		2,631	
90th Birthday Reception, May 1989		-		3,222	
		<u>49,630</u>		<u>46,208</u>	
Conference, Brighton, October 1990		24,010		-	
Conference, Scarborough, October 1989		-		18,186	
Workshop, Oxford, April 1989		-		8,760	
Workshop, Newcastle Upon Tyne, March 1990		-		6,709	
International AICB Congress, June 1990		<u>4,019</u>		-	
		<u>28,029</u>		<u>33,655</u>	
			(285,761)		(247,962)
(Deficit) surplus for the year			(34,747)		2,509
Transfer to Premises Fund			-		-
Transfer (from) to General Fund			<u>£(34,747)</u>		<u>£2,509</u>

The Notes on page 16 form part of these accounts

THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION
STATEMENT OF SOURCE & APPLICATION OF FUNDS for the year ended 31st March 1991

	1991	1990
	£	£
SOURCE OF FUNDS		
(Deficit) surplus for year	(34,747)	2,509
Adjustment for item not involving the movement of funds:		
Depreciation	<u>6,072</u>	<u>4,099</u>
	<u>£(28,675)</u>	<u>£6,608</u>
APPLICATION OF FUNDS		
Purchase of tangible fixed assets	8,240	6,664
Change in net current assets:		
(Decrease) in debtors & prepayments	(5,823)	(3,671)
Increase in stock of publications	2,525	975
(Decrease) increase in quoted investments	(7,154)	1,842
Increase (decrease) in funds held by divisions	391	(355)
(Increase) decrease in creditors & accruals	(10,937)	2,880
(Decrease) in bank and cash balances	<u>(15,917)</u>	<u>(1,727)</u>
TOTAL FUNDS APPLIED	<u>£(28,675)</u>	<u>£6,608</u>

The Notes on page 16 form part of these accounts

REPORT OF THE AUDITORS TO THE MEMBERS OF
THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

We have audited the financial statements set out on pages 19 to 22 in accordance with Auditing Standards.

In our opinion the financial statements give a true and fair view of the state of affairs of the Society at 31st March 1991 and of its deficit of expenditure over income and source and application of funds for the year ended on that date, and have been properly prepared in accordance with the Companies Act 1985.

GEO. LITTLE, SEBIRE & CO.
Chartered Accountants

The Grove
Pipers Lane
Harpenden
Herts AL5 1AH

19th September 1991

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THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION NOTES TO THE ACCOUNTS

for the year ended 31st March 1991

1. LIABILITY OF MEMBERS

In accordance with clause 8 of the Memorandum of Association every member of the Society undertake to contribute, in the event of the Society being wound up, such amount as may be required not exceeding 25 pence each.

2. ACCOUNTING POLICIES

(a) Basis of accounting

The accounts are prepared in accordance with the historical cost convention.

(b) Subscriptions

Subscriptions are taken to revenue when received except subscriptions in advance which are carried forward until the period to which they relate.

(c) Depreciation of tangible fixed assets

The cost of items of office furniture and equipment is written off by equal annual instalments over five years except electronic equipment which is written off over three years.

(d) Stock of publications

Stock of publications are included at the lower of the Secretary General's valuation and net realisable value.

3. OFFICE FURNITURE AND EQUIPMENT

	Cost or valuation	Accumulated depreciation
	£	£
At 1.4.1990	35,978	28,238
Additions	8,240	6,072
Disposals	(7,460)	(7,460)
At 31.3.1991	<u>36,758</u>	<u>26,850</u>

4. QUOTED INVESTMENTS

	Cost or valuation		Accumulated	
	1991	1990	1991	1990
	£	£	£	£
Fixed interest	742	8,172	991	8,056
Ordinary shares	<u>33,314</u>	<u>30,626</u>	<u>113,031</u>	<u>108,919</u>
	<u>34,056</u>	<u>38,798</u>	<u>114,022</u>	<u>116,975</u>

5. GRANTS FROM THE DEPARTMENT OF THE ENVIRONMENT

For the period 1990/91 the Society received a special grant from the Department of the Environment towards the cost of producing educational and teaching materials, undertaking research and running an advisory and information service on air pollution and noise.

6. PREMISES

Under the terms of the lease for the Society's offices in Brighton the rent is subject to review, the revised rent to take effect from November 1990. Arrangement has not yet been reached with the landlords; accordingly, the sum of £5,030 has been included in the accounts for the anticipated increase in rent.

7. IRRECOVERABLE VAT INPUT TAX

The Society has been advised that it can only recover part of the VAT input tax paid. The charge of £5,563 is the amount of irrecoverable VAT written off in 1990/91.

8. TAXATION

As a registered charity the Society is not liable to tax on its income.

SECTION 2

**Memorandum of Association
Articles of Association
Bye-Laws**

MEMORANDUM & ARTICLES OF ASSOCIATION AND BYE-LAWS

THE COMPANIES ACTS, 1948 TO 1981 COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL

MEMORANDUM OF ASSOCIATION OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

*Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions
on 5 October 1981 and 23 October 1991.*

1. The name of the company (hereinafter called “the Society”) is “The National Society for Clean Air and Environmental Protection”.
2. The registered office of the Society will be situate in England.
3. i) The object for which the Society is established is to seek the improvement of the environment by promoting clean air through the reduction of air pollution, noise and other atmospheric contaminants having regard for the implications for other aspects of the environment.
 - ii) a) To initiate, assist, promote and encourage the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention, and to undertake, or support or aid the undertaking of, investigations and research relevant to the causes and effects of pollution and the means to prevent it and to publish the results of such research.
 - b) To promote public education in all matters relating to the value and importance of clean air and methods and consequences of air pollution control and forms of pollution control by arranging meetings, publications, exhibitions, the delivery of lectures and addresses, the display of pictures, cinematograph films and models and by other means.
 - c) To encourage the adoption of methods to reduce and prevent pollution.
 - d) To promote, assist, support, or oppose, as may be consistent with the objects for which the Society is established, any administrative or other measures or proposed measures affecting pollution.
 - e) To initiate, support and co-operate with others in proposals and activities calculated to assist the promotion of the Society’s objects.

- f) To establish, and support or aid in the establishment and support of any charitable association or institutions and to subscribe or guarantee money for charitable purposes in any way connected with the Society's purposes or calculated to further its objects.
- g) To purchase, take on lease or in exchange, hire or otherwise acquire any real or personal property and any rights or privileges which the Society may think necessary or convenient for the promotion of its objects, and to construct, maintain and alter any building or erections necessary or convenient for the work of the Society.
- h) To sell, let, mortgage, dispose of or turn to account all or any of the property or assets of the Society as may be thought expedient with a view to the promotion of its objects.
- i) To undertake and execute any trusts which may lawfully be undertaken by the Society and may be conducive to its objects.
- j) To borrow or raise money for the purposes of the Society and subject to this Memorandum of Association on such terms and on such security as may be thought fit.
- k) To invest the moneys of the Society not immediately required for its purposes in or upon such investments, securities or property as may be thought fit, but so that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners for England and Wales shall only be invested in such securities and with such sanction (if any) as may for the time being be prescribed by law.
- l) If and when considered advisable, to take all such measures as may be necessary to convert the Society into a body specially incorporated by Royal Charter or otherwise, or to secure the creation of a new body so incorporated with the object of carrying out the purposes of the Society and continuing the work thereof.
- m) To take all such steps as will further the attainment of the above objects or any of them.

PROVIDED FIRST that, notwithstanding anything contained in the preceding paragraphs of this Clause, the objects of the Society shall be restricted to such only of the objects aforesaid as are according to the law of England exclusively charitable.

PROVIDED SECONDLY that the Society's objects shall not extend to regulation of relations between workers and employers or organisations of workers and organisations of employers.

PROVIDED THIRDLY that in case the Society shall take or hold any property subject to the jurisdiction of the Charity Commissioners for England and Wales or the Secretary of State for Education and Science, the Society shall not sell, mortgage, charge or lease the same without such authority, approval or consent

as may be required by law and as regards any such property the Council of the Society (hereinafter called "the Council") shall be chargeable for any such property that may come into their hands and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as the Council would have been if no incorporation had been effected, and the incorporation of the Society shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Secretary of State for Education and Science over the Council but they shall as regards any such property be subject jointly and severally to such control or authority as if the Society were not incorporated. In case the Society shall take or hold any property which may be subject to any trusts, the Society shall only deal with the same in such manner as allowed by law, having regard to such trusts.

4. The income and property of the Society, whencesoever derived, shall be applied solely towards the promotion of the objects of the Society as set forth in this Memorandum of Association and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend bonus or otherwise howsoever by way of profit, to the members of the Society.

PROVIDED that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration and pension to any officer or servant of the Society in return for any services actually rendered to the Society, nor prevent the payment of interest at a rate of 6% per annum on money lent or reasonable and proper rent for premises demised or let by any member to the Society nor prevent the gratuitous distribution among, or sale at a discount to, subscribers to the funds of the Society of any books or other publications, whether published by the Society or otherwise, relating to all or any of the Society's objects above set forth; but so that no member of the Council shall be appointed to any salaried office of the Society or any office of the Society paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Society to any member of the Council, except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Society; provided that the provision last aforesaid shall not apply to any payment to any company of which a member of the Council may be a member, and in which such member shall not hold more than one hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the provisions of the Memorandum or Articles of Association of the Society for the time being in force unless the same shall have been previously submitted to and approved by the Department of Trade.
6. The fourth and fifth paragraphs of the Memorandum of Association contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of section 19(1) of the Companies Act 1948.

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7. The liability of the members is limited.
8. Every Member of the Society undertakes to contribute to the assets of the Society, in the event of the same being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts and liabilities of the Society contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required not exceeding 5s (25p).
9. If upon the winding up or dissolution of the Society there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the members of the Society, but shall be given or transferred to some other charitable institution or institutions having objects similar to the objects of the Society, and which shall prohibit the distribution of its or their income and property among its or their members to an extent at least as great as is imposed on the Society at or before the time of dissolution, and if and so far as effect cannot be given to such provision, then to some charitable object.

**ARTICLES OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions on 5 October 1981, 1 October 1984, 27 October 1986 and 21 October 1991.

DEFINITIONS

1. In these presents the words standing in the first column of the Table below shall bear the meaning set opposite to them respectively in the second column thereof, if not inconsistent with the subject or context:

<i>Words</i>	<i>Meaning</i>
The Act of 1948	The Companies Act, 1948.
The Act of 1967	The Companies Act, 1967.
The Acts	The Companies Act, 1948 and the Companies Act, 1967.
The Bye-Laws	The Bye-Laws of the Society from time to time in force.
These presents	These Articles of Association.
The Society	The above named Society.
The Council	The Council for the time being of the Society.
The Office	The registered office of the Society.
The Seal	The common seal of the Society.
The United Kingdom	Great Britain and Northern Ireland.
Month	Calendar month.
In writing	Written, printed or lithographed, or partly one and partly another, and other modes of representing or reproducing words in a visible form.
The Secretary General	The Secretary for the time being or any person appointed to perform the duties of Secretary of the Society, in accordance with the Acts.
Representative of a Member	A Representative of a Local Authority or Corporate Member appointed under Article 4d or e, and whose appointment has been duly notified to the Secretary General.
Delegate	A Representative of a Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member to represent its local interests in the particular Division in which its Branch or Section is situated.

And words importing the singular number only shall include the plural number, and vice versa. Words importing the masculine gender only shall include the feminine gender and vice versa and words importing persons shall include corporations.

Subject as aforesaid, any words or expressions defined in the Acts or any statutory modification thereof in force at the date on which these presents become binding on the Society shall, if not inconsistent with the subject or context, bear the same meanings in these presents.

MEMBERSHIP

2. The number of members with which the Society is registered is unlimited.
3. The provisions of section 110 of the Act of 1948 shall be observed by the Society and every member of the Society, other than Honorary Members, shall either make a written request to become a member (which request may be included in his application for membership made in accordance with Article 4(i) of these presents) or sign a written consent to become a member or sign the register of members on becoming a member.
4. a) The members of the Society shall be the persons who are members of the Society and such other persons as the Council shall from time to time elect or recommend to the Society for election.
- b) The Society shall consist of a President, Vice-Presidents, Secretary General, Honorary Members, Individual Members, Local Authority Members, Corporate Members and Student Members. The Society may also have a Patron or Patrons as hereinafter mentioned.

Classes of Membership:

- c) Individual Members
 - i) Any individual who supports the objects of the Society shall be eligible for admission as an individual member.
 - ii) On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be earlier, individual members may, at the discretion of the Council, retain their membership as individual members of the Society on payment of a fixed sum as prescribed in the Bye-Laws of the Society.
- d) Local Authority Members
 - i) Any local authority supporting the objects of the Society shall be eligible for admission as a local authority member. A local authority member shall be entitled from time to time to appoint, and to revoke the appointment of not more than five representatives. Each of the representatives of a local authority member shall be entitled to exercise on its behalf the same rights as an individual member and (if not himself an individual member) shall, by virtue of his appointment to any office of the Society or to membership of the Council.
 - ii) For the purpose of this Article, the designation local authority shall be deemed to include health authorities and water authorities or such other like authorities as the Council shall from time to time admit for membership.

e) Corporate Members

- i) Any Society, Institution, Company, Association, Board or Group or educational establishment being in every case an incorporated body supporting the objects of the Society shall be eligible for admission as a corporate member. A corporate member shall be entitled to appoint representatives according to subscription as set out in the Bye-Laws, and any such representatives shall be entitled to exercise on its behalf the same rights as an individual member, and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- ii) An unincorporated body (including a firm) may not as such become a member of the Society, but if it desires to obtain the advantages of membership it may nominate representatives (determined according to subscription as aforesaid) to apply in its name for membership and exercise the rights of membership on its behalf. Every person so applying for membership shall be subject to the same rules and regulations as to admission and otherwise as any person not so nominated, and shall if admitted have the same rights and be subject to the same liabilities and incidents as any individual member except that (i) such persons shall be liable to pay such annual subscription as is appropriate to a corporate member (ii) if his nomination is revoked by such a body he shall cease to be a member. References in these presents or in the Bye-Laws to corporate members shall as far as the context admits include reference to unincorporated bodies having nominated representative members provided always that no such body shall as such have any rights of voting or otherwise or be deemed for any purpose to be a member of the Society.

f) Sustaining Members

Any member who subscribes not less than the sum prescribed in the Bye-Laws for this class of membership shall be eligible for admission as a sustaining member.

g) Honorary Members

Individuals who have rendered outstanding service in promoting the objects of the Society shall be eligible for admission as Honorary Members and such persons, being duly admitted shall enjoy all the privileges of membership (including the right to vote) except that they shall not by virtue of their Honorary Membership alone be deemed to be members of the Society for the purpose of registering within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

h) Student Members

Any bona fide non-graduate student pursuing a course of study at school, college or university shall be eligible for admission as a student member on payment of the subscription prescribed in the Bye-Laws.

i) **Application for Membership**

Every person wishing to join the Society and eligible for election as a member, must apply in writing and shall deposit with such application the first annual subscription which shall be returned in the event of non-election.

j) **Resignation of Members**

i) Every member duly elected shall continue as such until he shall resign by notice in writing, to the Secretary General, such notice being accompanied by any monies due to the Society.

ii) The Council shall have the power to remove any member:

a) whose annual subscription has remained unpaid for two successive years,
or

b) who, in the opinion of the Council has acted in a manner prejudicial to the interests and objects of the Society or has behaved in such a manner as to render his further membership detrimental to the interests of the Society,
or

c) at its sole discretion without assigning any reason therefore.

Provided that in every case the member concerned shall have the opportunity to make representations defending his conduct in writing to the Council.

k) **Annual Subscriptions**

The Council shall make Bye-Laws from time to time to fix annual subscriptions payable by the various classes of member. The Bye-Laws shall be confirmed by the Society in General Meeting.

ANNUAL GENERAL MEETING

5. The Society shall hold a General Meeting in every calendar year as its Annual General Meeting at such time and place as may be determined by the Council, and shall specify the Meetings as such in the notices calling it, provided that every Annual General Meeting shall be held not more than fifteen months after the holding of the last preceding Annual General Meeting.

EXTRAORDINARY GENERAL MEETING

6. All General Meetings, other than Annual General Meetings, shall be called Extraordinary General Meetings.
7. The Council may whenever they think fit convene an Extraordinary General Meeting, and Extraordinary Meetings shall also be convened on such requisition, or in default may be convened by such requisitions, as provided by section 132 of the Act of 1948.

NOTICE OF MEETINGS

8. Twenty-one days' notice in writing at least of every Annual General Meeting and of every meeting convened to pass a Special Resolution, and fourteen days' notice in writing at the least of every other General Meeting (exclusive in every case both of the day on which it is served or deemed to be served and of the day for which it is given), specifying the place, the day and the hour of meeting, and in the case of business other than routine business the general nature of that business, shall be given in manner hereinafter mentioned to such persons

(including the Auditors) as are under these presents or under the Act entitled to receive such notices from the Society; but with the consent of all the members having the right to attend and vote thereat, or of such proportion of them as is prescribed by the Act in the case of meetings other than Annual General Meetings, a meeting may be convened by such notice as those members may think fit.

9. The accidental omissions to give notice of a meeting to, or the non-receipt of such notice by, any person entitled to receive notice thereof shall not invalidate the proceedings at such meetings.

PROCEEDINGS AT GENERAL MEETINGS

10. Routine business shall mean and include only business transacted at an Annual General Meeting of the following classes, that is to say:
 - a) Reading and considering the accounts and balance sheet and the annual reports of the Council and the Auditors.
 - b) Appointing Auditors and fixing their remuneration.
 - c) Receiving the results of the election of the Council and other officers.
11. No business shall be transacted at any General Meeting unless a quorum is present when the meeting proceeds to business. Save as herein otherwise provided ten members or representatives of members personally present shall be a quorum.
12. If within half an hour from the time appointed for the holding of a General Meeting a quorum is not present, the meeting, if convened on the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, or at such other place as the Council may determine, and if at such adjourned meeting a quorum is not present within half an hour from the time appointed for holding the meeting the members present shall be a quorum.
13. The Chairman (if any) of the Council shall preside as Chairman at every General Meeting, but if there be no such Chairman, or if at any meeting he shall not be present within fifteen minutes after the time appointed for holding the same, or shall be unwilling to preside, the members present shall choose one of the Deputy Chairmen or some other member of the Council, or if no such member be present, or if all the members of the Council present decline to take the chair, they shall choose some member or representative of a member of the Society who shall be present to preside.
14. The Chairman may, with the consent of any meeting at which a quorum is present (and shall if so directed by the meeting) adjourn the meeting from time to time, and from place to place, but no business shall be transacted at any adjourned meeting other than business which might have been transacted at the meeting from which the adjournment took place. Whenever a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given in the same manner as of an original meeting. Save as aforesaid, the members shall not be entitled to any notice of an adjournment, or of the business to be transacted at an adjourned meeting.

15. At any General Meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless a poll is, before or upon the declaration of the result of the show of hands, demanded by the Chairman or by at least five members or representatives of members present in person or by proxy, or by members or representatives of members present in person or by proxy and representing not less than one-tenth of the total voting rights of all the members and representatives of members having the right to vote at the meeting, and unless a poll be so demanded a declaration by the Chairman of the meeting that a resolution has been carried, or carried unanimously or by a particular majority or lost, or not carried by a particular majority, and an entry to that effect in the minute book of the Society shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against that resolution. The demand for a poll may be withdrawn.
16. Subject to the provisions of Article 17, if a poll be demanded in manner aforesaid, it shall be taken at such time and place, and in such manner, as the Chairman of the meeting shall direct, and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
17. No poll shall be demanded on the election of a Chairman of a meeting or on any question of adjournment.
18. In the case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting shall be entitled to a second or casting vote.
19. The demand for a poll shall not prevent the continuance of a meeting for the transaction of any business other than the question on which a poll has been demanded.

VOTES OF MEMBERS

20. Subject as hereinafter provided, every member shall have one vote. A local authority member or corporate member shall have one vote for each of its representatives which shall be exercisable by such representatives in person.
21. Except in accordance with Article 4g and 29, and unless the Council otherwise determine, no member other than a member duly registered, who shall have paid every subscription and other sum (if any) which shall be due and payable to the Society, in respect of his membership, shall be entitled to vote on any question either personally through its representatives or by proxy, or as a proxy for another member at any General Meeting.
22. a) Votes may be given on a poll either personally or by proxy. A proxy need not be a member.
 - b) The instrument appointing a proxy shall be in writing under the hand of the appointer, or his attorney duly authorised in writing, or if such appointer is a corporation under its common seal, if any, and if none, then under the hand of some officer duly authorised in that behalf. In the case of a representative of a member any proxy shall be appointed by the member itself or its attorney and not by the representative.
 - c) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarially certified or office copy thereof

shall be deposited at the office not less than 48 hours before the time appointed for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of 12 months from the date of its execution.

- d) A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, provided that no intimation in writing of the death, insanity or revocation as aforesaid shall have been received at the office before the commencement of the meeting or adjourned meeting at which the proxy is used.
- e) An instrument appointing a proxy shall be in the common form or in such other form as the Council may accept, and shall be deemed to confer authority to demand or join in demanding a poll.

HONORARY OFFICERS

- 23. The officers of the Society shall consist of a President, Honorary Treasurer, Chairman and two Deputy Chairmen of the Council, the Immediate Past Chairman of the Council and may also include a Patron or Patrons as hereinafter mentioned.

PATRON

- 24. The Council may accept the patronage of any person or persons and shall thereupon elect such person or persons to be the Patron or Patrons of the Society for life or for such period as the Council may determine.

PRESIDENT

- 25. The President shall be elected annually by the Society under the Bye-Laws. No person shall hold the office of President for more than two years in succession.

HONORARY TREASURER

- 26. The Honorary Treasurer shall be elected annually by the Society under the Bye-Laws. The Honorary Treasurer shall be responsible for the uninvested funds of the Society and he shall cause all necessary and proper accounts to be kept in accordance with Article 47 hereof.

VICE-PRESIDENTS

- 27. a) Any person may be elected by the Society as a Vice-President providing that he or she is a person of distinction in an appropriate field who is likely to promote actively the work of the Society.
- b) Vice-Presidents shall normally be elected for a term of three years and may stand for re-election.
- c) Vice-Presidents shall not exceed ten in number.

CHAIRMAN AND DEPUTY CHAIRMEN

- 28. The Chairman and Deputy Chairmen shall be elected annually by the Council from its own members at its first meeting after the Annual General Meeting.

29. The Patron or Patrons (if any) of the Society, the President of the Society, and the Vice-Presidents shall enjoy all the rights of membership (including the right to vote) during their term of office except that they shall not by virtue of their office alone be deemed to be members of the Society for the purposes of registration within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

THE COUNCIL

30. Subject as hereinafter provided, the members of Council shall not be less than 20 in number. The Society may, by Ordinary Resolution from time to time, increase or reduce the minimum number of members of the Council. The Council may act notwithstanding any vacancies in their body, but if the members of the Council shall be reduced in number to less than that required for a quorum for their meetings, they may act as the Council for the purpose only of summoning a general meeting of the Society.
31. The Council shall consist of the Patron or Patrons (if any), the President, the immediate Past President, the Honorary Treasurer, the immediate past Chairman, a number of divisional representatives elected as hereinafter provided; and not more than a like number of other persons consisting of representatives of National or similar organisations which are corporate members of the Society, at the invitation of the Council. No person other than a member of the Society or a representative of a member may be appointed a member of the Council. The Council may from time to time and at any time appoint any member of the Society or a representative of a member as a member of the Council either to fill a casual vacancy or by way of addition to the Council. Any member so appointed shall retain his office only until the next Annual General Meeting, but he shall be eligible for re-election or re-appointment.

The term National or similar organisation shall refer to any institution, association, society or board or other similar organisation, the activities of which extend to the whole of the United Kingdom, or to England, Scotland, Wales or Northern Ireland, and which is accepted by the Council as a National or similar organisation for the purposes of these presents.

APPOINTMENT AND RETIREMENT OF MEMBERS OF THE COUNCIL

32. a) The members and and representatives of members of each Division shall elect annually from among their number representatives to be members of the Council. Divisional representatives shall be elected to the Council for a period of three years. One-third of the elected members shall retire in rotation each year; such members shall be eligible for re-election. The number of Divisional representatives to be elected by each Division shall each year be determined by the Council.
- b) A National or similar organisation shall be entitled to nominate annually one representative for membership of the Council under Article 31.
- c) The elected members of the Council shall (unless re-elected) vacate office after

three years in accordance with the provisions of Article 32a.

33. The office of a member of the Council shall be vacated:
 - a) if he ceases to be a member or a representative of a member of the Society;
 - b) If by notice to the Society he resigns his office;
 - c) If a receiving order is made against him or he makes any arrangement or composition with his creditors;
 - d) If he becomes of unsound mind;
 - e) If he ceases to hold office by reason of any order made under section 188 of the Act of 1948;
 - f) If he is removed from office by a resolution duly passed pursuant to section 184 of the Act.
34. A member of the Council who has attained the age of seventy shall be eligible for election and the provision of subsections (1) and (2) of section 185 of the Act of 1948 shall not apply.

POWERS OF THE COUNCIL

35. The management of the Society shall be in the hands of the Council who may pay all expenses incurred in forming and registering the Society and may exercise all such powers of the Society as are not by the Act of 1948 or by these presents required to be exercised by the Society in General Meeting, subject nevertheless to any regulations of these presents, to the provisions of the Act of 1948, and to such regulations (not inconsistent with the aforesaid regulations or provisions) as may be prescribed by the Society in General Meeting, but no regulations so made by the Society shall invalidate any prior act of the Council which would have been valid if such regulations had not been made. The general powers given by this Article shall not be limited or restricted by any special authority or power given to the Council by any other Article.
36. i) The Council shall, as necessary, make and recommend the adoption, alteration and revocation of the Bye-Laws for the regulation of the Society and otherwise for the furtherance of the purposes for which the Society is established, provided that the Bye-Laws are not repugnant to the Memorandum of Association or these presents. Such recommendations of the Council shall be laid before the Society at the following Annual General Meeting or at an Extraordinary General Meeting called for that purpose for adoption, if thought fit, by Ordinary Resolution. The Bye-Laws for the time being in force shall be binding upon all members until varied or set aside as hereinafter provided. It is expressly declared that, without prejudice to the powers of the Society to adopt Bye-Laws on other matters, the following shall be deemed to be matters which (so far as not governed by, and subject always to the provisions of, these presents) may be governed by Bye-Laws within the meaning of this Article, that is to say:
 - a) As to entrance fees (if any) payable in respect of membership of the Society.
 - b) As to the annual, quarterly or other subscriptions or payments to be payable by the members of the Society.
 - c) As to the rights and privileges to be accorded to, and the qualifications, restrictions and conditions to be imposed on, members of the Society.

- d) As to committees of members in connection with various branches of the Society's activities, and as to the appointment, removal, qualification, disqualification, duties, functions, powers and privileges of members of such committees.
- e) As to the manner in which the election of officers and Council members shall be conducted.
- f) As to the geographical divisions of the Society for electoral purposes, and the setting up and regulation of Divisional Councils and their membership, duties, functions and powers.
- ii) The Council shall have power to issue Standing Orders from time to time regulating the appointment of various committees from members of the Society or otherwise as provided herein for the better administration of the business of the Council and directing the terms of reference of such committees and the procedure governing the transaction of their business.
- iii) Any Committee appointed in accordance with this Article shall have power to adopt persons to act as members of the committee whose qualifications or experience will assist the committee in its work, but the number of persons so adopted shall not exceed one-third of the membership of the committee excluding adopted members.

SECRETARY GENERAL

- 37. i) The Secretary General shall be appointed by the Council for such time at such remuneration and upon such conditions as they think fit, and any person so appointed may be removed by them. The provisions of section 177 and 179 of the Act of 1948 shall apply and be observed.
- ii) The Secretary General shall from time to time submit financial statements at the request of the Council. It shall be his duty, under the direction of the Council, to conduct the correspondence of the Society, to attend meetings of the Council and committees thereof, to take minutes of the proceedings of such meetings, to superintend the publication of such papers as the Council may direct, engage and be responsible for all persons employed under him, and, in general, conduct the ordinary business of the Society in accordance with the Memorandum and Articles of Association.
- iii) The Council may from time to time by resolution appoint an assistant or deputy Secretary General, and any person so appointed may act in place of the Secretary General if there be no Secretary General or no Secretary General capable of acting.

THE SEAL

- 38. The Council shall provide a Common Seal of the Society and make rules for the safe custody and use thereof, and it shall only be used by the authority of the Council previously given and in the presence of one member of the Council at least, and every such instrument shall be countersigned by the Secretary General or some other person duly authorised by the Council.

PROCEEDINGS OF THE COUNCIL

- 39. The Council may meet together for the dispatch of business, adjourn and

otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business. Unless otherwise determined, ten shall be a quorum. Questions arising at any meeting shall be decided by a majority of votes. In case of an equality of votes the Chairman shall have a second or casting vote.

40. Five members of the Council may, and on the request of five members of the Council the Secretary General shall, at any time, summon a meeting of the Council by notice served upon the several members of the Council. A member of the Council who is absent from the United Kingdom shall not be entitled to notice of a meeting.
41. The Chairman shall be entitled to preside at all meetings of the Council at which he shall be present, but if no such Chairman be elected, or if at any meeting the Chairman be not present within five minutes after the time appointed for holding the meeting and willing to preside, the members of the Council present shall choose one of the Deputy Chairmen and failing them one other of their number to be Chairman of the Meeting.
42. A meeting of the Council at which a quorum is present shall be competent to exercise all the authorities, powers and discretions by or under the regulations of the Society for the time being vested in the Council generally.
43. The Council may delegate any of their powers to committees consisting of such member or members of the Council as they think fit, and any committee so formed shall, in the exercise of the power so delegated, conform to any regulations imposed on it by the Council. The meetings and proceedings of any such committee shall be governed by the provisions of these presents for regulating the meetings and proceedings of the Council so far as applicable and so far as the same shall not be superseded by any Bye-Laws made by the Council.
44. All acts bona fide done by any meeting of the Council or any committee of the Council, or by any person acting as a member of the Council, shall notwithstanding it be afterwards discovered that there was some defect in the appointment or continuance in office of any such member or person acting as aforesaid or that they or any of them were disqualified, be as valid as if every such person had been duly appointed or had duly continued in office and was disqualified to be a member of the Council.
45. The Council shall cause proper minutes to be made of all appointments of officers made by the Council and of the proceedings of all meetings of the Society and of the Council and of committees of the Council, and all business transacted at such meetings, and any such minutes of any meetings, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be sufficient evidence without any further proof of the facts therein stated.
46. A resolution in writing signed by a majority of the members for the time being of the Council or of any committee of the Council who are entitled to receive notice of a meeting of the Council or of such committee shall be as valid and effectual as if it had been passed at a meeting of the Council or of such committee duly convened and constituted.

ACCOUNTS

47. The Council shall cause proper books of account to be kept with respect to:
- a) all sums of money received and expended by the Society and the matters in respect of which such receipts and expenditure take place;
 - b) all sales and purchases of goods by the Society; and
 - c) the assets and liabilities of the Society.
- Proper books shall not be deemed to be kept if there are not kept such books of account as are necessary to give a true and fair view of the state of affairs of the Society and to explain its transactions.
48. The books of account shall be kept at the office, or subject to section 147(3) of the Act of 1948 at such other place or places as the Council shall think fit, and shall always be open to the inspection of the members of the Council.
49. The Council may from time to time impose reasonable restrictions as to the time and manner of the inspection by the members (other than members of the Council) or by representatives of members of the accounts and books of the Society, or any of them, and subject to such restrictions the accounts and books of the Society shall be open to the inspection of such members or representatives of members at all reasonable times during business hours.
50. The Council shall from time to time in accordance with sections 148, 150 and 157 of the Act of 1948 cause to be prepared and laid before the Society in General Meeting, such income and expenditure accounts, balance sheets and group accounts (if any) and reports as are referred to in those sections. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Society in General Meeting, together with a copy of the Auditors report, shall not less than twenty-one days before the date of the meeting be sent to every member of, and holder of debentures of, the Society. Provided that this Article shall not require a copy of those documents to be sent to any person of whose address the Society is not aware or to more than one of the joint holders of any debentures.

AUDIT

51. Once at least in every year the accounts of the Society shall be examined, and the correctness of the income and expenditure account and balance sheet ascertained by one or more properly qualified Auditor or Auditors.
52. Auditors shall be appointed and their duties regulated in accordance with sections 159 to 162 of the Act of 1948, the members of the Council being treated as the Directors mentioned in those sections.

NOTICES

53. A notice may be served by the Society upon any member, either personally or by sending it through the post in a prepaid letter, addressed to such member at his registered address as appearing in the register of members.
54. Any member described in the register of members by an address not within the United Kingdom, who shall from time to time give the Society an address within the United Kingdom at which a notice may be served upon him, shall be entitled

to have notices served upon him at such address, but, save as aforesaid and as provided by the Act, only those members who are described in the register of members by an address within the United Kingdom shall be entitled to receive notices from the Society.

55. Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same is put into the post, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office as a prepaid letter.

DISSOLUTION

56. Clause 9 of the Memorandum of Association of the Society relating to the winding up and dissolution of the Society shall have effect as if the provisions thereof were repeated in these Articles.

BYE-LAWS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Ordinary Resolution dated 29 March 1974 and as amended on 13 October 1976, 6 July 1977, 20 July 1978, 16 July 1980, 5 October 1981, 18 October 1982, 31 October 1983, 1 October 1984, 14 October 1985, 27 October 1986, 26 October 1987, 24 October 1988, 23 October 1989, 15 October 1990 and 21 October 1991.

DEFINITIONS

1. The Definitions section of the Articles of Association of the Society shall be deemed to be incorporated in and applied to these presents.

SUBSCRIPTIONS

2. Annual subscriptions shall be as hereinafter provided. A first annual subscription shall be made on application for membership and shall continue in force until the first day of April of the following year, when it shall be renewable.

a) Individual Members

- i) The annual subscription payable by an individual member shall be not less than £19.50. On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be the earlier, on payment of the sum of Thirty Nine Pounds, individual members may, at the discretion of the Council, retain their membership of the Society in perpetuity, but always subject to the Council's right of removal.
- ii) Individual members may on payment of not less than Three Hundred and Ninety Pounds become life members of the Society.

b) Local Authority Members

The annual subscription payable by a local authority shall be not less than as follows: for local authorities with a population of:

Less than 100,000	£270.00
100,001 to 250,000	£325.00
250,001 to 500,000	£395.00
500,001 to 1,000,000	£525.00

For each additional 500,000 or part thereof £50.00

c) Corporate Members and Unincorporated Bodies appointed in accordance with Article 4(e)(ii)

The annual subscription payable by corporate members and unincorporated bodies shall be not less than as follows:

- i) Small local civic societies, colleges, schools and similar organisations — £35.00
- ii) Regional and national societies and similar organisations — £190.00
- iii) Industrial organisations — £270.00

d) **Sustaining Members**

The annual subscription for a sustaining member shall be not less than three times the minimum subscription payable by a local authority member under Bye-Law 2(b) or three times the subscription of a corporate member under Bye-Law 2(c)(iii).

e) **Membership — Special Cases**

Under the Bye-Laws the Council of the Society has the power to elect any applicant for membership to an appropriate grade of membership, on such special terms as to subscription or otherwise as after considering any reasons for so doing stated by such applicant the Council may think proper.

REPRESENTATIVES OF MEMBERS

3. a) **Local Authority Members**

Each local authority member shall be entitled to appoint not more than five representatives.

b) **Corporate Members**

- i) Corporate members elected to membership under Bye-Law 2(c)(i) shall each be entitled to appoint one representative.
- ii) Corporate members elected to membership under Bye-Law 2(c)(ii) shall each be entitled to appoint three representatives.
- iii) Corporate members elected to membership under Bye-Law 2(c)(iii) shall each be entitled to appoint five representatives.
- iv) A corporate member having a branch or section situated in a Division other than that Division in which the address of the corporate member is situated shall, in such Division, be entitled to appoint delegates to participate in the activities of the appropriate Division.

RIGHTS OF MEMBERS

4. Each individual member, local authority member and corporate member and each representative of a local authority member or corporate member, who has paid the appropriate subscription for the current year, shall have the right to:
- i) Nominate individual members and representatives as officers or members of the Council;
 - ii) Be nominated and elected as an officer or member of the Council;
 - iii) Cast one vote at elections;
 - iv) Receive notices of and attend and participate in all meetings of the Society and of the member's Division;
 - v) Move or second, and cast one vote on motions at meetings of the Society and of the member's Division;
 - vi) Receive free of charge as they are issued the Journal and Members Handbook of the Society;
 - vii) Obtain from the Society, advice and information on questions relating to pollution and its control.

DIVISIONS

5. a) For administrative and electoral purposes the Society shall be divided into geographical Divisions as follows:

Scotland

Northern Ireland

Northern: Cleveland, Cumbria (in part, only — Allerdale District Council, City of Carlisle and Eden District Council), Durham, Northumberland, Tyne and Wear.

North West: Cheshire, Clwyd, Cumbria (in part, only — Barrow-in-Furness Borough Council, Copeland District Council and South Lakeland District Council), Greater Manchester, Gwynedd, Lancashire, Merseyside.

Yorkshire and Humberside: Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

West Midlands: Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.

East Midlands: Cambridgeshire, Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire.

Eastern: Essex, Norfolk, Suffolk.

South East: Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Greater London, Hampshire, Hertfordshire, Isle of Wight, Kent, Oxfordshire, Surrey, West Sussex.

South West: Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.

South and Mid Wales: Wales except for Clwyd and Gwynedd.

- b) Members shall normally be considered as belonging to the Division in which their address, as entered upon the Society's records, is situated. However, members may elect to belong to another Division better suited to their needs.
- c) For the purposes of carrying out activities in a Division, the members, as hereinafter defined, may elect from among themselves a Divisional Council and its Honorary Officers. A Divisional Council and its Honorary Officers, other than Secretary and auditors, shall consist only of members, representatives and delegates of members. The Constitution and activities of a Divisional Council shall be subject to the general approval of the Council which shall pay or make grants for approved expenses.
- d) The members, representatives and delegates of members, as hereinafter defined, in any town or district within a Division, may, if they so desire, and with the approval of the Council and of their Divisional Council, set up a branch of the Division and elect committees and Honorary Officers. The activities of a branch shall be subject to the general approval and guidance of the Council and of the Divisional Council and the Divisional Council may pay and make grants for approved expenses.

PRESIDENT, VICE-PRESIDENTS, HONORARY MEMBERS AND HONORARY TREASURER

6. a) The President and an Honorary Treasurer shall be elected annually on the

- recommendation of the Council by the Society at its Annual General Meeting.
- b) Vice-Presidents shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.
 - c) Honorary Members shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.

THE COUNCIL

- 7. a) The business of the Society shall be specified in Article 35 and shall include the direction of the policy of the Society, the work of its committees, the reception of reports from such committees, from Divisions, from Headquarters and subject groups.
- b) The Council at its first meeting after election shall elect from its own members, a Chairman, two Deputy Chairmen and the following committees:
 - i) Finance and Administration
 - ii) Conference and Promotions
 - iii) Technical
 - iv) Parliamentary and Local Government
 - v) Noise
 - vi) Any other committee considered by the Council to be necessary.
- c) The Chairman of Council, the two Deputy Chairmen of Council, the Honorary Treasurer, the Chairmen of the standing committees (or Deputies in their absence) and the Immediate Past Chairman of Council shall comprise a Steering Group and will meet as required with the following terms of reference:
 - To implement Council policy
 - To ensure that the programmes of the standing committees are comprehensive and appropriately interlocking
 - To formulate proposals for policy changes
 - To act on behalf of the Council in cases of urgency
 - To report to the next following meeting of Council any action taken on its behalf.
- d) There shall also be a Nominations Committee, appointed by the Council. The terms of reference of this committee shall be as set out in the Standing Orders of the Council.
- e) The procedure for the election of Chairman, Deputy Chairmen and committees, and the rules and functions of all committees, shall be decided by the Council.

ELECTIONS

- 8. a) President, Vice-Presidents, Honorary Members and Honorary Treasurer. Nominations for the office of President, Vice-Presidents, Honorary Members and Honorary Treasurer may be made by any member of the Society. Nominations, in writing, shall be received by the Secretary General not less than three months prior to the date of the Annual General Meeting.
- b) i) Divisional representatives (elected in accordance with Article 32(a)). Each member may nominate Divisional representatives for his own Division provided that he does not nominate more than the total number to be appointed by that Division. Nominations shall be made to the Divisional

Secretary not less than seven days before the date of the Annual General Meeting of the Division. In the event of more nominations being received than there are Divisional Representatives to be appointed, elections by ballot shall be held at the Annual General meeting of the Division. The result of such an election is to be reported to the Secretary General of the Society not later than seven days before the date of the Society's Annual General Meeting. The names of the persons so elected shall be announced at such Annual General Meeting.

- ii) No member or representative of a member shall nominate, be nominated for, or vote in any Divisional election other than that of which he is a member or representative.
- c) Representatives of National or similar organisations (in accordance with Article 32(b)). Nominations from National or similar organisations shall be received by the Secretary General not less than seven days before the date of the Annual General Meeting.
- d) No nomination for office shall be considered valid unless the agreement of the candidate has been previously obtained.

INTERPRETATION OF BYE-LAWS

- 9. The Council shall have full power to decide any question of interpretation of these Bye-Laws and any other question on which these Bye-Laws are silent, subject to the power of the Society in any subsequent general meeting to review any such decision and to make new provision in relation thereto.

SECTION 3

Honorary Officers

Past Presidents 1929 - 1991

Past Chairmen of Council

1958 - 1991

The Council of the Society

Standing Committees

NSCA Staff

Who's Who 1991 - 92

HONORARY OFFICERS

President

THE BARONESS PLATT OF WRITTLE, CBE, DL, FEng

Immediate Past President

SIR JOHN MASON, CB, DSc, FRS

Vice Presidents

KEN COLLINS, MEP

THE RT HON THE EARL OF CRANBROOK

JOHN EDMONDS

FRANK HAYNES, MP

DR. CAROLINE JACKSON, MEP

AIR CDRE JOHN LANGSTON, CBE

SIR HUGH ROSSI, MP

MADRON R. SELIGMAN, BA, MEP

GARETH WARDELL, MP

PROFESSOR SIR DAVID WILLIAMS

Honorary Treasurer

B.H. EDWICK

Chairman of Council

CLLR. MRS. E. J. INGLEFIELD, BA, RGN

Deputy Chairmen

**J.S. HARRISON, BSc, DLC, FRSC, FInstE, FInst Chem Eng,
CChem, CEng**

K.G. KAUFMAN

Immediate Past Chairman

A.J. REES, DMS, MBIM, MIEH, AMIOA

PAST PRESIDENTS 1929- 1991

October 1929 to November 1943

Dr. H.A. Des Voeux

November 1943 to March 1946

Mr. Will Melland

March 1946 to September 1948

Sir George Elliston

September 1948 to September 1949

Lord Simon of Wythenshawe

September 1949 to September 1951

Dame Vera Laughton Mathews, DBE

September 1951 to October 1953

Alderman Professor F.E. Tylecote, CBE

October 1953 to October 1956

Sir Ernest Smith, CBE

October 1956 to December 1958

Dr. R. Lessing, CBE

December 1958 to March 1961

Sir Hugh Beaver, KBE

March 1961 to April 1963

The Rt. Hon. Lord Cohen of Birkenhead

April 1963 to May 1965

Dr. Albert Parker, CBE

May 1965 to May 1967

Sir Alan Wilson, FRS

May 1967 to April 1969

Sir John Charrington

April 1969 to June 1971

Sir Kenneth Hutchison, CBE, FRS

June 1971 to June 1973

Mr. Stanley E. Cohen, CBE

June 1973 to July 1975

Sir John Greenborough, KBE

July 1975 to July 1977

Professor P.J. Lawther, CBE

July 1977 to July 1979

Lord Flowers, FRS

July 1979 to October 1981

Lord Ezra, MBE

October 1981 to October 1983

Naomi E.S. Sargent

October 1983 to October 1985

Professor Sir David Williams

October 1985 to October 1987
Councillor L. Poole, BEM
October 1987 to October 1989
The Rt. Hon. Lord Nathan
October 1989 to October 1991
Sir John Mason, CB, FRS

PAST CHAIRMEN OF COUNCIL 1958 TO 1991

January 1958 to December 1958
Dr. J.S.G. Burnett
December 1958 to April 1962
Mr. J. Innes
April 1962 to April 1964
Dr. J.L. Burn
April 1964 to May 1967
Mr. J. Goodfellow
May 1967 to April 1969
Mr. A.C. Saword
April 1969 to September 1971
Dr. W.C. Turner
September 1971 to July 1973
Mr. S. Cayton, MBE
July 1973 to July 1974
Mr. W. Combey
July 1974 to July 1975
Miss M. George, CBE
July 1975 to July 1976
Mr. J. Clancey, OBE, BEM
July 1976 to July 1977
Mr. P. Draper
July 1977 to July 1978
Mr. T.H. Iddison, MBE
July 1978 to July 1979
Professor R.S. Scorer
July 1979 to July 1980
Mr. H.I. Fuller

July 1980 to October 1981

Mr. A.J. Clarke

October 1981 to October 1982

Mr. H. Giblin

October 1982 to October 1983

Mr. W.B. Twyford

October 1983 to October 1984

Councillor L. Poole, BEM, JP

October 1984 to October 1985

Mr. M. Beaumont

October 1985 to October 1986

Mr. R.W.C. Wheatley

October 1986 to October 1987

Mr. I.W. Barker

October 1987 to October 1988

Mr. K.S. Dunn

October 1988 to October 1989

Mr. W.F. Snow

October 1989 to October 1990

Dr. F.E. Shephard

October 1990 to October 1991

Mr. A.J. Rees

THE COUNCIL OF THE SOCIETY

APPOINTED REPRESENTATIVES OF NATIONAL BODIES

British Coal

Mr. J.S. Harrison

British Gas

Dr. F.E. Shephard

British Steel

Mr. D.A. Harrison

UK Centre for Economic and Environmental Development

Mr. D.R. Cope

Filtration Society, The

Dr. R.W.K. Allen

Institute of Petroleum, The

Mr. J.H. Boddy

Institution of Environmental Health Officers, The

-

Institution of Gas Engineers, The

Ms. F. Church

Low Temperature Coal Distillers Association

Mr. N.M. Ross

National Power

-

Powergen

Mr. G.W. Barrett

Solid Smokeless Fuels Federation

Mr. I. MacKay

ELECTED REPRESENTATIVES FROM NSCA DIVISIONS

SCOTLAND

3 Representatives

Cllr. D. Munn - Mr. C. MacDonald - Mr. K. Thomas

NORTHERN IRELAND

1 Representative

To be appointed

NORTHERN

4 Representatives

Mr. K. Atkinson - Mr. J.A. Mann
Cllr. L. Poole - Cllr. T.W. Yellowley

NORTH WEST

6 Representatives

Cllr. T. Jones - Mr. K.G. Kaufman - Mr. I.R. Liversidge
Mr. J.B. Simpson - Mr. W.F. Snow - Mr. R.N. Turner

YORKSHIRE AND HUMBERSIDE

4 Representatives

Cllr J.M. Bramley - Mr. S.G. Carden
Cllr. J. Carr - Cllr. G.M. McDade

WEST MIDLANDS

3 Representatives

Mr. G. Colling - Mr. T. Townsend - Cllr. R. Turner

EAST MIDLANDS

6 Representatives

Mr. R.S. Chamberlain - Mr. K.S. Dunn
Mr. K.R. Enderby - Mr. F. Haynes, MP
Cllr. Mrs. E.J. Inglefield - Cllr. R.F. Ogilvie

SOUTH EAST

12 Representatives

Dr. D. Ball - Dr. R. Barnes - Mr. J.J. Beagle

Mr. P. Cooney - Mr. D. Corfield - Mr. P. Legge

Mrs. E.M.L. Naylor - Mr. A.J. Rees - Professor R.S. Scorer

Cllr. Mrs. B.J. Solkhon - Mr. J. Wade

SOUTH WEST

4 Representatives

Mr. H. Dawson - Mr. K. Horton

Cllr. Mrs. J.I. James - Mr. H. Nowell

SOUTH AND MID WALES

4 Representatives

Cllr. Dr. J.R.P. Evans - Mr. T. Jones - Mr. R. West

STANDING COMMITTEES

The President, Hon. Treasurer, Chairman, Deputy Chairmen and Immediate Past Chairman are all ex-officio members of all five Standing Committees.

Finance and Administration Committee

Cllr. Dr. J.R.P. Evans - Mr. I.R. Liversidge - Cllr. G.M. McDade

Cllr. D. Munn - Mr. H.R. Nowell - Cllr. T.W. Yellowley

Chairman, Conference and Promotions Committee -

Mr. R.S. Chamberlain

Chairman, National Noise Committee -

Mr. H. Dawson

Chairman, Parliamentary and Local Government Committee -

Mr. W.F. Snow

Chairman, Technical Committee -

Ms. F. Church

Co-opted

Cllr. L. Poole

Conference and Promotions Committee

Cllr. J.M. Bramley - Mr. R.S. Chamberlain - Mr. K.R. Enderby

Cllr. Mrs. J.I. James - Cllr. T. Jones - Cllr. D. Munn

Mrs. E.M.L. Naylor - Cllr. R.F. Ogilvie

Cllr. L. Poole - Cllr. Mrs. B.J. Solkhon

Co-opted

Mr. P. Cooney - Mr. I. MacKay - Mr. H. Phillips

National Noise Committee

Mr. K. Atkinson - Mr. G.W. Barrett - Mr. J.J. Beagle

Mr. G. Colling - Mr. D. Corfield - Mr. H. Dawson

Mr. P. Legge - Cllr. L. Poole - Mr. K. Thomas - Mr. J. Wade

Co-opted

Mr. R. Crosby - Mr. J. Evans - Dr. L. Fothergill

Mr. P.T. Freeborn - Mr. A.J. Gibbon

Mr. D.R. Romaine - Mr. G.H. Vulkan

Parliamentary and Local Government Committee

Mr. S.G. Carden - Cllr. J. Carr - Mr. K. Horton - Mr. T Jones

Mr. C. MacDonald - Mr. I. MacKay - Mr. J.A. Mann

Mr. N.M. Ross - Mr. W.F. Snow - Mr. T. Townsend

Cllr. R. Turner - Mr. R.N. Turner

Co-opted

Cllr. L. Poole

Technical Committee

Dr. R.W.K. Allen - Dr. D. Ball - Dr. R.A. Barnes

Mr. G.W. Barratt - Mr. J.J. Beagle - Mr. J.H. Boddy

Ms. F. Church - Mr. G. Colling - Mr. P. Cooney - Mr. D.R. Cope

Mr. D.A. Harrison - Mr. P. Legge - Mr. C. MacDonald

Professor R.S. Scorer - Mr. J.B. Simpson - Mr. R. West

Co-opted

Dr. R.S. Barrett - Mr. A.H. Brown - Mr. S.G. Carden

Dr. S.R. Craxford - Dr. M. Fox - Dr. K. Gregory - Dr. D. Laxen

Dr. D. Lee - Mr. B. Lees - Cllr. L. Poole

Dr. C. Schofield - Mr. M.F. Tunncliffe

Mr. R.N. Turner - Mr. R.E. Waller - Dr. M. Williams

NSCA STAFF

Secretary General
Dr. R.N. (Tom) Crossett

Administration, Accounts
Production and Sales of Publications

Administration Manager
Peter J. Mitchell

Secretary to Secretary General and Administration Manager
Council and Standing Committees Administration

Wendy Messer
Membership, Publication Sales and Conference Registrations
Kathy Lennon

Editorial, Information and Public Relations

Editor
Loveday Murley
Information and Public Relations

Tim Brown
Assistant Information Officer/Assistant Editor

Mary Stevens
Administrative Assistant
Sally May

Administration/Public Relations Officer
Scottish Division
Clare Carruthers

WHO'S WHO

HONORARY OFFICERS

BARONESS PLATT OF WRITTLE, CBE, DL, MA, F Eng, President of the



National Society for Clean Air & Environmental Protection was educated at Westcliff High School for Girls and Girton College, Cambridge, where she obtained a Mechanical Sciences Tripos in 1943. She then worked for Hawker Aircraft as a technical assistant for three years before joining the Research and Development Section of British European Airways. Among her many appointments, Baroness Platt is currently Vice-President of the University of Manchester Institute of Science and Technology, and a member of the Board of British Gas. She has been President of the Cambridge University Engineers Association since 1987, and was Chairman of the Equal Opportunities Commission from 1983-88. In

1982 Baroness Platt became a member of the House of Lords Select Committee on Science and Technology and in 1990 a member of the Engineering Training Authority. Baroness Platt was elected to Chelmsford RDC in 1959 and to Essex CC in 1965. She has been an Honorary Member of Arlington Fire Brigade (USA) since 1988. Baroness Platt received the CBE in 1978 and was created a Life Peer in 1981.

SIR JOHN MASON, CB, DSc, FRS, Immediate Past President of the Society, was Director-General of the Meteorological Office from 1965-1983. From 1983-90 he was Director of the Surface Waters Acidification Programme. He has recently been Chairman of the Scientific Management Committee of the World Climate Research Programme and Chairman of the Coordinating Committee on Marine Science and Technology. He was awarded the Charles Chree medal and Prize of the Physical Society (1965), the Glazebrook Medal of the Institute (1974), and the Rumford Medal of the Royal Society (1972) for his discoveries on clouds, rain, and the origin of lightning, on which he delivered the Bakerian Lecture of the Royal Society in 1971. He was awarded the Symons Memorial Gold Medal of the Royal Meteorological Society (1975). He was created CB in 1973 and knighted in 1979. In 1991 he received the Royal Society's Royal Medal for his distinguished contributions to the science of cloud physics and other achievements in the field of meteorology.

KEN COLLINS, MEP, Vice-President of the Society, was educated at Hamilton Academy, the University of Glasgow and Strathclyde University. He was for three years an apprentice metallurgist with Dalzell steelworks, Motherwell, before attending university. Subsequently, he worked as a Planning Officer with Glasgow and then West Yorkshire (1965-1966); organiser tutor, Workers Educational Association (1966-1967); teacher, Glasgow College of Building 1967-1969 and Lecturer in Urban Studies, Paisley College of Technology 1969-1979. He has been an MEP since 1979.

He was a Member of East Kilbride Town and District Councils 1973-1979, and a Board Member, East Kilbride Development Corporation 1976-1979. Ken Collins was a Spokesman on Environment, Public Health and Consumer Protection for the Socialist Group of the European Parliament (1984-1989). He was elected Chairman of the European Parliament's Committee on the Environment, Public Health and Consumer Protection in July 1989, having formerly been the Committee's Chairman from 1979-1984 and Vice-Chairman from 1984-87.

THE RT HON THE EARL OF CRANBROOK, MA, PhD, DSc(Hon), DL, Vice President of the Society, is a graduate of the Universities of Cambridge and Birmingham. From 1956-1970, he was employed as a biologist in several posts in SE Asia. Lord Cranbrook was appointed to the Nature Conservancy Council in 1990, and Chairman of the NCC England in 1991. He has been a member of the Royal Commission on Environmental Pollution since 1981, the Natural Environment Research Council 1982-88, and the Environment Subcommittee, House of Lords Select Committee on the European Communities, Chairman from 1980-1983 and again, 1987-1990; Lord Cranbrook is President of the Suffolk Wildlife Trust and Suffolk Naturalists' Society. Since 1987, he has been a non-executive member of the Board of Anglian Water plc. Since 1988 he has been a member of the Broads Authority and since 1989 a member of the Harwich Haven Authority.

JOHN EDMONDS, Vice-President of the Society, is General Secretary of the GMB (formerly the General, Municipal, Boilermakers and Allied Trades Union). Educated at Christ's Hospital and Oriel College Oxford (BA 1965, MA 1968) he became in 1966 Research Assistant at the General & Municipal Workers Union; subsequently Deputy Research Officer (1967), Regional Officer (1968) and National Industrial Officer (1972-1985); Member of the Royal Commission on Environmental Pollution (1979-1989); Visiting Fellow, Nuffield College, Oxford since 1986; Governor, London School of Economics since 1986, Trustee of Institute for Policy Research and a Director of Unity Trust Bank plc.

FRANK HAYNES, MP, is a Vice-President of the Society and represents the East Midlands Division. He was elected MP for Ashfield in the May 1979 general election. Formerly a Councillor, he comes from a coal-mining area and has helped his own local council to implement smoke control and clean air policies generally.

DR CAROLINE JACKSON, MEP, Vice-President of the Society, has been a member of the European Parliament since 1984, representing Wiltshire, Newbury and Wantage. She is Conservative spokeswoman on Environment and Consumer Protection and author of "Europe's Environment; a Conservative Approach", and a former member of the National Consumer Council and of the British Committee for European Year of the Environment. Educated at St Hugh's and Nuffield College, Oxford, with a doctorate in 19th century history, she formerly worked for the European Parliament in Luxembourg and Brussels.

JOHN LANGSTON, Vice-President of the Society, served in the RAFVR and then in the Royal Air Force from 1942 until his retirement in 1979. From 1980-1991 he was Secretary General of the National Society for Clean Air and Environmental

Protection. He was appointed Director General of the International Union of Air Pollution Prevention Associations in 1986 — a position which he continues to hold. In December 1991 he was elected Chairman of the Investigation of Air Pollution Standing Conference. Appointed CBE in 1975, he is a Fellow of the British Institute of Management. He has been a member of the Board of Management of the Environment Council since 1984.

SIR HUGH ROSSI, MP, Vice-President of the Society, was educated at Finchley Catholic Grammar School and King's College, University of London. He subsequently qualified with honours as a solicitor. Among other appointments, Sir Hugh was Government Whip for the Conservative Party from 1970-74 and Parliamentary Under-Secretary of State at the DOE in 1974; opposition spokesman on Housing and Land 1974-1979; Minister of State Northern Ireland Office 1979-1981 and Minister of State for Social Security 1981-3. From 1972-3 he was Deputy Leader of the UK Delegation for the Council of Europe and the Western European Union, and has been Chairman of the House of Commons Select Committee on the Environment since 1983. Sir Hugh was knighted in 1983 and became Knight Cmdr, St. Gregory in 1985.

MADRON R. SELIGMAN, MA, MEP, Vice-President of the Society, was educated at Harrow School and Balliol College, Oxford, where he was President of the Oxford Union in 1940. Mr Seligman has been a Member of the European Parliament representing Sussex West since 1979, where he is Conservative Spokesman for Energy Research and Technology, and a member of the Committees for Environment and Education. He was Chairman of the Incinerator Company Ltd, until September 1989, and Managing Director of APV International until November 1980.

GARETH L. WARDELL, MP, Vice-President of the Society, is a graduate of the London School of Economics and Political Science. From 1972-73 he was a Lecturer in Education at Bedford College of Physical Education and from 1973-82 Senior Lecturer in Geography at Trinity College, Carmarthen. He is a Fellow of the Royal Geographical Society and has been MP for Gower since 1982. Mr. Wardell has been Chairman of the Select Committee on Welsh Affairs since 1984.

PROFESSOR SIR DAVID WILLIAMS, MA, LLB, Vice-President of the Society and a Past President of the Society, has been Vice-Chancellor of the University of Cambridge since October 1989, President of Wolfson College, Cambridge, since October 1980, and Rouse Ball Professor of English Law since 1983. His academic interests lie in the fields of constitutional and administrative law, and in recent years he has been particularly interested in matters relating to the environment. He was a member of the Clean Air Council 1971-1979, of the Commission on Energy and the Environment 1978-1981, the Royal Commission on Environmental Pollution 1976-1983 and the Council on Tribunals, 1972-1982. David Williams went to the University of Cambridge, and was called to the Bar in 1956. He was a Commonwealth Fund (Harkness) Fellow in the United States, 1956-1958, and taught at the Universities of Nottingham and Oxford before returning to Cambridge in 1967.

CLLR MRS E. JANE INGLEFIELD, BA, RGN, Chairman of the Council of the Society, represents the East Midlands Division, NSCA, and was Chairman of the

Finance and Administration Committee; she has been a member of the Divisional Council of the East Midlands for the past 17 years and is the Chairman of Housing for High Peak BC. She is a member of the management Committee of the Derbyshire Historic Buildings Trust Ltd. Mrs Inglefield is currently working for Marie Curie Memorial Cancer Care as the Regional Co-ordinator of Community Nursing Services for Trent, Mersey & North West Regions.

ALAN J. REES, DMS, MBIM, MIEH, AMIOA is Immediate Past Chairman of the Council of the Society, and a former Chairman of the Society's Finance and Administration Committee. He represents the South East Division, NSCA. He qualified as a Public Health Inspector with Oxford CC, and has since been employed by three other local authorities, before his present appointment as Principal Environmental Health Officer for South Oxfordshire DC. From 1978 to 1983 he was Honorary Secretary of London & South East and Central Southern Divisions, and is a past Chairman of the Joint Divisions.

JAMES S. HARRISON, Deputy Chairman of Council, NSCA, and Director of the Coal Research Establishment, represents the British Coal Corporation. A Fellow of the Royal Society of Chemistry, Institute of Chemical Engineers and of the Institute of Energy, he was given the Institute's Special Award, and presented the BCURA Robens Coal Science Lecture in 1988. He is Chairman of IEA Coal Research, and of Combustion Systems Ltd, and a member of the Board of Coal Products. He is a member of the Research Committee of the European Coal Producers and has served on the Sub-Committee of Energy R&D of the Commission of the Common Market and on Advisory Committees of the IEA and of the UK Government. He is particularly interested in the environmental aspects of energy production and has given evidence on the greenhouse effect to Select Committees of the House of Commons and the House of Lords.

K.G. (GEOF) KAUFMAN, Deputy Chairman of Council, represents the North West Division NSCA. He is the Environmental Protection Manager Tameside MBC, and has held several appointments with local authorities in the Greater Manchester area. As a member of the Manchester Area Pollution Advisory Council he is a past secretary of the Noise working group. He has recently served as a member of the Government Noise Review Working Party representing NSCA, is a member of the Society's National Noise Committee and co-author of several Society publications.

BRIAN H. EDWICK, Honorary Treasurer of the Society, is also Honorary Treasurer and past President of the National Federation of Master Steeplejacks and Lightning Conductor Engineers.

THE COUNCIL OF THE SOCIETY

DR RAYMOND W.K. ALLEN, CEng, BSc, MSc, PhD, FI ChemE, represents the Filtration Society and serves on the Society's Technical Committee. He is a member both of the Council of the Institution of Chemical Engineers and of its Research and Membership Committees. He is Head of the Department of Environmental and Process Engineering at Harwell Laboratory of AEA Technology where he had overall responsibility for extensive research programmes in gas cleaning and liquid effluent treatment. He is also a Visiting Professor at the University of Newcastle upon Tyne.

KEITH ATKINSON, Honorary Secretary of the Northern Division, NSCA, is Assistant Environmental Health Officer, Darlington BC. He entered local government in 1963 as a Pupil Health Officer, and worked for several local authorities after qualifying. His main interest in environmental issues are noise and air pollution. He was involved with the Darlington Quiet Town Experiment (1976-78). He was elected Honorary Secretary of the Northern Division in 1989 after representing Darlington BC for many years.

DR DAVID J. BALL, D.Phil, FInstP, FRSH, MIOSH, is a member of the Technical Committee of the Society and represents the South East Division, NSCA. Currently Research Manager of the Environmental Risk Assessment Unit of the University of East Anglia, he was formerly Head of the GLC's Pollution Monitoring Group and LSS's Material Sciences Division. His interests include the assessment and management of risks associated with the natural environment, environmental pollution, occupational hazards, consumer products and consumer activities in general. Dr Ball is a regular participant in the Society's Workshops and contributor to "Clean Air".

DR RON BARNES represents the South East Division, NSCA, and is Chairman of the Society's Climate Change Working Group. He graduated from University College London in 1969 and was awarded his PhD in 1975 for research into the long range transport of atmospheric smoke and sulphur dioxide. After a period of mixed air pollution consultancy and university teaching during and after his PhD, he was appointed to the DOE's Central Unit on Environmental Pollution. He later joined Esso Petroleum where he is responsible for all air pollution research activities and for providing strategic environmental planning information relevant to company operations and products. In 1979 Dr Barnes was seconded from Esso to the United Nations to prepare a consultants report on all aspects of the long range transport of air pollution. This report was used as the technical basis for the UN ECE Convention on Transboundary Air Pollution.

GEORGE W. BARRETT represents PowerGen plc. Having graduated from the University of Manchester in 1968 with an Honours degree in Physics, he was subsequently awarded an MSc in Applied Acoustics from the University of London. For three years he worked in the Acoustics Laboratory of the British Aircraft Corporation at Weybridge where he dealt with all aspects of aircraft noise. In 1972 he joined the Planning Department of the CEGB where he was a Group Head in the Environment Section, dealing with all aspects of environmental policy and planning

for power generation. He is now with PowerGen where he is the Section Head responsible for Environmental Assessment.

JOSEPH J. BEAGLE, BA(Hons), MIEH, represents the South East Division, NSCA, having become Honorary Secretary on his retirement from local government in 1983. He was a Divisional EHO with the London Borough of Hammersmith & Fulham where he was responsible for noise and air pollution control matters, including investigations into lead pollution and asbestos control. Mr Beagle is a member of the Technical and National Noise Committees and the Civil Nuclear Power Working Group, and now works as an Environmental Health Consultant. He also represents the Society on the Transport Committee of the Environment Council.

JOHN BODDY is a consultant on energy and the environment. He is a former Chairman of the NSCA Technical Committee on which he has served for many years, and he has been a member of the South East Divisional Council for the past six years. Before becoming a consultant he was employed by Mobil Europe Inc, Mobil Oil Co. Ltd and BP, mainly on product research and environmental matters. Mr Boddy was also engaged in joint activities of the Motor and Petroleum Industries in Europe – on motor vehicle and engine emission control. He served on the Council of the Institute of Petroleum from 1979 to 1981.

CLLR J. MAKIN BRAMLEY represents the Yorkshire & Humberside Division, NSCA. A farmer in private life, he has been a member of various District Councils for 30 years and Chairman of the Environmental Health Committee for the last twelve years. He is a member of the North Yorkshire CC and a former member of the Yorkshire Water Authority; he currently chairs the Central Consultative Committee and is Vice Chairman of the Hull and Goole Port Health Authority. Cllr Bramley is a member of the Provincial Council and also of the Yorkshire and Humberside Pollution Advisory Council.

STEPHEN CARDEN represents the Yorkshire and Humberside Division, NSCA, where he is Honorary Secretary. He serves on the Technical and Parliamentary and Local Government Committees of the Society. Prior to his present position as Assistant Head of Health for the City of Wakefield MDC, he held local government appointments at Morley, Kirklees and Barnsley and worked for 6 years in industry. He specialises in air pollution, noise and planning matters and serves on the executive of the Yorkshire and Humberside Pollution Advisory Council.

CLLR JACK CARR represents the Yorkshire & Humberside Division, NSCA. A member of Rotherham MBC, he began in local government as Health Committee Chairman of Rawmarsh UDC and served as a member of the Sheffield and District Clean Air Committee 1967-73. In 1973 he became a member of the Yorkshire & Humberside Division of the Society and in the same year became a member of Rotherham's Environmental Health Committee. He has also held senior posts on Rotherham's Education Committee. In 1988 he became Chairman of the Environmental Health Committee and Chairman of South Yorkshire Joint Waste Committee and Hazardous Waste Unit. He also serves on the AMA.

RONALD S. CHAMBERLAIN represents the East Midlands Division, NSCA, and is Chairman of the Conference & Promotions Committee. He has been a member of the East Midlands Division for twenty years, Chairman of the Division 1987-88 and a member of the Council of the Society since 1974. He was a member of Ashfield DC and Kirby-in-Ashfield UDC for over twenty years, was Chairman of the Kirby-in-Ashfield UDC Health Committee, 1971-74 and Chairman of the Ashfield DC Environmental Health Committee, 1974 -83 and still represents Ashfield DC on the NSCA. Mr Chamberlain was elected Chairman of the Central Nottinghamshire Community Health Council in February 1981 and became a member of the Central Nottinghamshire District Health Authority in 1982 and Vice Chairman in 1987 until reorganization in 1990. He is a Justice of the Peace.

MS FAITH CHURCH, BSc, MSc, CEng, MIGasEng, MIGeol, MIWEM, FGS, represents the Institution of Gas Engineers and is chair of the Society's Technical Committee. Educated at Lancaster University and University College London, she began her career working for Anglian Water as an Hydrologist then Hydrogeologist. In 1986 she joined the London Research Station of British Gas and early in 1987 became a Senior Scientist in the Environmental Studies Group, providing an environmental consultancy as well as continuing her hydrogeology work. In October 1989 she took the post of Principal Scientist, leading the research programmes of scientists involved in air pollution and water treatment studies; more recently she is helping provide an internal environmental consultancy service. She joined the Council of the NSCA in early 1989.

GRAHAM COLLING represents the West Midlands Division, NSCA, and is currently the Senior Environmental Health Officer at South Staffordshire DC, specialising in environmental pollution. He qualified in 1981 and has been employed by a number of authorities in the West Midlands region before concentrating on pollution in 1986. He is presently the secretary of the Midland Joint Advisory Council for Clean Air and Noise Control.

PAUL A. COONEY is Chairman of the South East Division, NSCA. He is a Principal Environmental Health Officer at the London Borough of Greenwich and heads a specialist unit responsible for all aspects of pollution control. Throughout his career he has taken a keen interest in the biological effects of heavy metals and toxic substances and has assisted in the successful completion of nine major epidemiological blood-lead studies involving children. Greenwich has a particular problem with the development of its contaminated land and Mr Cooney continues to campaign for a satisfactory long-term solution to this problem. His group 'manages' asbestos in public sector housing and environmental issues. Believing in the proper use of planning powers in controlling the environmental impact of pollution, his team concentrates on supporting and advising planning colleagues. He lectures to a variety of groups on pollution matters and is currently a member of the Society's Technical Committee.

DAVID R. COPE is Executive Director of the UK Centre for Economic and Environmental Development (UK CEED), an independent policy research unit, supported by UK charitable foundations, industrial and commercial interests and central government, which promotes the economic analysis of environmental problems

in the UK. He is Special Lecturer in Energy and Environmental Studies at the University of Nottingham and a visiting lecturer at Cambridge University. From 1987-89 he was a member of the CEEB's independent Environmental Development Advisory Panel. He is a member of the Standing Committee on the Environment of the Advisory Council on Science and Technology (Cabinet Office) and of the DoE and DTI's Environmental Technology Advisory Group. He has served on the Watt Committee on Energy's Nuclear Safety and Acidification Working Groups and the Fellowship of Engineering's Acid Emission Abatement Task Force. A Professional Associate of the Institute of Energy, he has written and lectured widely on all aspects of the economics of energy use and the environment.

DAVID F. CORFIELD, MIOA, represents the South East Division of NSCA. Educated at Ealing County Grammar School and Twickenham Technical College, he trained as a building manager before entering local government in 1956. He trained as a Public Health Inspector with the London Borough of Fulham and is now employed as Chief Environmental Health Officer of the Corporation of London, with particular interests in noise from construction sites, clean air and vehicle pollution.

HYLTON DAWSON is an independent Noise and Safety consultant and represents the Society's South West Division of which he is Chairman. He is co-patentee of two designs of silencer for supersonic jet engines and in 1971 was awarded the President's Gold Medal of the Society of Engineers. He has a particular interest in low frequency acoustics. He is Chairman of the NSCA's National Noise Committee. Mr Dawson represents the NSCA on the governing body of the International Association Against Noise (AICB), and on the Environmental Engineering Group of the Institution of Mechanical Engineers.

KENNETH R. ENDERBY represents the East Midlands Division, NSCA. He was City Environmental Health Officer to Peterborough CC until his retirement in March 1991 and had represented Peterborough on the NSCA for over 30 years. He has been a member of the East Midlands Division for more than 20 years (Deputy Chairman 1976-77 and 1988-89, and Chairman 1977-78 and 1989-90). He has been a Member of the Council of the Society and of the Conference and Promotions Committee since 1974. He joined the Society as a private member on his retirement, and at the Annual General Meeting of the Society in October 1991 was elected an Honorary Member.

CLLR DR JOHN R. P. EVANS, ACP, MBIM, LRSC, MEd, PhD, is Chairman of the South and Mid Wales Division, NSCA. A Chemistry graduate, he has worked as an industrial chemist with ICI Fibres and the British Steel Corporation. He taught for several years, and is currently Warden of an Adult Education Centre. Dr Evans was elected a Member of the Rhymney Valley DC in 1976 and was an Executive Member of the Labour Party (Wales).

DAVID A. HARRISON represents British Steel plc. He is at present Environmental Engineer at Scunthorpe Works of British Steel but has been involved with Energy and Environment in the Steel Industry for more than 30 years. He is a member of BS Environmental Control Committee which is a national committee determining environmental policy. He is also closely involved with issues of environmental noise as well as the monitoring of environmental conditions in the workplace.

KEITH S. HORTON, BSc, DMS, MIEH, MIOA, represents the South West Division of the Society, and is currently Deputy Chief Environmental Health Officer at Woodspring DC. He has been a representative on the Division for approximately 10 years, and was Secretary of the South West Division from 1988 to 1991. He has specialised in pollution and related topics for some 14 years, and has a particular interest in noise, vibration and computer applications in environmental health. He is past Chairman of the Avon, Gloucestershire and Somerset Environmental Monitoring Committee. He was a Trainee Public Health Inspector with North Shropshire RDC, and qualified in 1974 from Aston University. On reorganisation, he was appointed as an Environmental Health Officer with South Herefordshire DC. In 1977 he moved to Woodspring DC and was appointed Assistant Chief Environmental Health Officer in 1979, becoming Deputy Chief Environmental Health Officer in January 1991.

CLLR MRS J.I. JAMES represents the South West Division, NSCA. She studied chemistry and has been a member of the Society for 20 years. She is chairman of North Avon Environment Committee and helped to guide North Avon into becoming a smokeless area.

TERRY JONES, DMA, MIEH, MInstWM, represents the South & Mid Wales Division, NSCA, and is a member of the Parliamentary and Local Government Committee. He is employed by Torfaen BC as Principal Environmental Health Officer and is currently responsible for the waste regulatory functions of the Authority. He is a Past Chairman of the Gwent Branch of the Institution of Environmental Health Officers and currently the appointed Hon. Secretary of the South and Mid Wales Division, NSCA.

CLLR THOMAS JONES represents the North West Division, NSCA. He has been a Councillor since 1970, first as a member of Ashton-in-Makerfield UDC and then under the reorganisation of local authorities he became a member of Wigan MBC. Throughout his political career he has held a variety of positions including Mayor of Wigan in 1982. He is also a former Chairman of the Manchester Council for Clean Air and is now the delegate for the Association of Greater Manchester Authorities on this Committee. He is Chairman of the Association of Greater Manchester Council Trading Standards Committee and Chairman North Western Home Safety Council.

PATRICK LEGGE, BSc(Hons), MIEH, represents the Central Southern Division, NSCA, and serves on the Technical and National Noise Committees. As a qualified Environmental Health Officer, he has gained considerable experience in air pollution and noise control, particularly when he worked for Dudley MBC and the London Borough of Ealing. He is now a Divisional Environmental Health Officer with Slough BC, in charge of a specialist section dealing with pollution, refuse collection and cleansing issues.

IAN R LIVERSIDGE, FRSH, MIEH, represents the North West Division NSCA and serves on the Finance and Administration Committee. As Borough Environmental Health Officer at Bolton MBC he has responsibility for all matters concerning land, water and air pollution. Several industrial liaison committees are in operation with representatives of industry and the council. Community based liaison committees also operate as does a smoke control programme.

JOHN A. MANN represents the Northern Division, NSCA. He entered local government in Hull in 1965, and worked as an environmental health officer in Yorkshire, Suffolk and the Midlands before joining Middlesbrough BC in 1984, where he became involved with the Society. A Chief Officer since 1988, he has been involved with community liaison initiatives and leads for his council on environmental activities.

CALUM MACDONALD represents the Scottish Division NSCA, currently serving as Treasurer on the Executive Committee of that Division. He is a member of the Technical Committee and the Parliamentary and Local Government Committee. As an environmental health officer he has served with Glasgow DC since 1975, as a student, then qualified environmental health officer. He is currently the manager of the pollution control division in Glasgow with responsibility for a wide range of environmental matters including air pollution, noise control, waste management and lead in water. He assisted in the resurrection of the Scottish Division and is keen to ensure a continuing valuable contribution to the Society from north of the border.

CLLR GERALD M. McDADE represents Doncaster MBC, Yorkshire and Humberside Division. He was a member of Thorne RDC from 1959 to 1974, and was Chairman in 1963 and 1970. He has been Chairman of various Committees including Public Health for Doncaster MBC since 1974, and was Mayor 1975-76. He is the Vice-Chairman, Planning Committee, a local magistrate and Vice-Chairman of the NSCA Yorkshire and Humberside Division. He is retired, having previously been in Management for ICI Fibres.

IAN MACKAY represents the Solid Smokeless Fuels Federation and is a member of the Parliamentary and Local Government Committee. Having joined the National Coal Board in 1948, he served in various departments, particularly marketing, and became District Sales Manager for Teesside. In 1970, he joined Associated Heat Services Limited as Sales Manager and in 1982 was appointed General Manager of the Solid Smokeless Fuels Federation. He was Chairman of the North East Coal Industry Society in 1980. Mr MacKay is an associate member to the Institute of Marketing.

CLLR DAVID MUNN joined NSCA Scottish Division in 1990. He has been Chairman of Cunninghame DC Health Committee since 1987 and is currently a member of the Convention of Scottish Local Authorities and a member of Clyde River Purification Board.

MRS E.M.L. (PAT) NAYLOR, MIHEc, MRSH, ARCA, is Immediate Past Chairman of the South East Division. She was associated with the Women's Solid Fuel Council for 30 years until its demise in September 1989. Mrs Naylor is a Lecturer in Home Economics in England and America. She is a member of the BBC Local Radio Council; of the British Standards Institution; of the Kitchen Planning SFC Committee and of the United Kingdom Home Economics Federation. Mrs Naylor is also a Past President of the United Kingdom Federation of Business and Professional Women. She is a member of the Society's Conference and Promotions Committee.

HOWARD NOWELL is a former Honorary Secretary of the South West Division. He has spent the greater part of his professional career with Bath CC where he is now Principal Environmental Health Officer with special responsibility for environmental

pollution control. He has served on numerous pollution related bodies and is a founder Member and Past Chairman on the Avon, Gloucestershire and Somerset Environmental Monitoring Committee.

CLLR ROBERT F. OGILVIE represents the East Midlands Division as Chairman, NSCA, of which he has been a member since 1979. He has been a member of Corby DC since 1973 and is a member of the Policy and Planning and Environmental and General Services Committees. He is Chairman of Development Control and a member of the Community Health Council, Governor of Forest Gate and Firdale Schools, and also the Vice Chairman of Corby Citizens Advice Bureau.

CLLR LEN POOLE, BEM, JP, a Past President of the Society, represents the Northern Division of NSCA; he is Deputy Chairman of the National Noise Committee and a Past Chairman of the Society's Council. Cllr Poole has been Chairman of the Northern Division and a member of the Council since re-organisation of local government, Chairman of the Environmental Health Committee, Middlesbrough BC and Member of South Tees Health Authority, Justice of the Peace since 1965 and Deputy Chairman of Domestic and Adult Court. Cllr Poole was responsible for persuading his council to complete its Domestic Smoke Control programme by the target date of 1979. He is a Member of the Boroughs of Cleveland Pollution Control Group (Industrial Pollution), also an Executive Member and President of the Federation of Burial and Cremation Authorities, and Chairman of the Tidy North Consultative Committee and member of the Finance and S&P Committee as well as President of Middlesbrough Mentally Handicapped Society.

NICHOLAS M. ROSS, MBIM, MInstM, represents the Low Temperature Coal Distillers' Association. Having joined the National Coal Board in 1967, he served in Marketing Departments in Yorkshire and the Midlands. In 1978 he joined National Smokeless Fuels Ltd, and in 1981 took up an appointment with the NCB/SFAS as Sales Manager of Merseyside, West Cheshire, West Lancashire and the Isle of Man. In 1985 he was seconded to NCB Industrial Branch and in May of that year joined the Coalite Group plc as General Sales Manager "Coalite" and a Director of Coalite Fuels and Chemicals. In September 1989 he was appointed Commercial Director of Coalite Smokeless Fuels. Mr Ross served as Secretary of the North Midlands Coal Industry Society from 1970-1979 and took the Chair in 1980. He is Chairman of the SSFF Publicity Committee, sits on the SSFF National Executive Committee and is a co-opted member of the East Midlands Division of the NSCA.

PROFESSOR RICHARD S. SCORER, MA, PhD, represents the South East Division, NSCA, and serves on the Society's Technical Committee. He was Chairman of the Council of the Society 1978-79. He is the author of numerous books on air pollution, meteorology and related subjects. He was in the Meteorological Office & RAF 1941-5 and was President of the Royal Meteorological Society 1986-88. He was appointed as Lecturer (Meteorology) Imperial College, 1949; as Reader (Applied Mathematics) in 1957, and became Professor (Theoretical Mechanics) in 1962. He is a Fellow of the Meteorological Society (Hon. Sec. 1956-60), Fellow of the Royal Society of Health and Fellow of the Royal Aeronautical Society. He was Founder Editor of the International Journal of Air Pollution (now Atmospheric Environment). As a member

of the Clean Air Council from 1968 until its demise, he chaired its Technical Committee. He was an Alderman of London B. of Merton (1971-78) and on the Metropolitan Water Board 1971-74. Professor Scorer was awarded the title Emeritus Professor in 1982 and is now a Senior Research Fellow in Mathematics and Environmental Technology at Imperial College.

FRANK E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng, FIGasE, represents British Gas plc and The Institution of Gas Engineers. He is a Past Chairman of the Council of the Society and former Chairman of its Finance and Administration Committee. He graduated from the Queen's University of Belfast in 1960 and completed a period of research into catalytic reactions of hydrocarbons before joining the Gas Council Basic Research Groups in 1963. He studied fundamental properties of catalysts until 1970, when he joined the Analytical Research Group of the Gas Council's London Research Station. After a period as Assistant Manager responsible for the Environmental Studies Group within the Analytical Division he was appointed Manager of that Division. He is now Programme Manager, Environment R&T within British Gas. He is a member of The Institution of Gas Engineers Environmental Studies Committee and chairs the International Gas Union Task Force on Gas and the Environment.

JACK B. SIMPSON has been a member of North West Divisional Council, NSCA, since 1980. He was a founder member and Honorary Technical Officer of the Manchester Area Pollution Advisory Council and Chairman of its Technical Advisory Committee from 1986 until re-organisation in 1989. He is currently Chairman of the MAPAC air group. After qualifying in 1961 whilst employed by Lancaster CC, he joined Failsworth UDC in 1963, becoming Chief Public Health Inspector in 1972. On amalgamation to Oldham MBC in 1974 he became Principal Environmental Health Officer (Pollution and Noise Control) and in 1984 was promoted to Divisional EHO (Pollution Control/Health and Safety).

BILL F. SNOW, MIEH, MInstWM, is a Past Chairman of the Council of the Society, Chairman of the Society's Parliamentary and Local Government Committee, and represents the North West Division, NSCA. He commenced Local Government service in 1958 as a student Public Health Inspector, Border RDC, Carlisle. He was appointed district Public Health Inspector to Accrington BC in 1962 and Deputy Chief Public Health Inspector to Warrington RDC in 1969. He was appointed to the post of Chief Environmental Health Officer to Warrington BC in 1974. The post was redesignated to its present title Assistant Director of Technical Services (Environmental Health) in April 1989. Bill Snow has been a member of the North West Divisional Council since 1976 and was elected Chairman, for a two year term, in 1981. He has served on the Council and Technical Committee of the Society since 1979, being Chairman of the latter from November 1984 until 1988. He was elected as a Fellow of the Institute of Wastes Management in 1991.

CLLR LIS (MRS B.J.) SOLKHON represents the South East Division, NSCA, and is a member of the Society's Conference and Promotions Committee. On being elected to Brighton BC in 1979 she chose Environmental Health as her main Council Committee. She became Chairman in 1982 and has attended NSCA Conferences as a

Council Delegate each year since, becoming a member of the South East Division in 1988. She is a writer and broadcaster and lectures on media skills, training personnel for local authorities and commercial companies. She is a member of Sussex University Council, a school governor, and heavily involved with music and the arts. She is a member of the Institute of Journalists and of the Institute of Public Relations.

KEVIN E. THOMAS represents the Scottish Division, NSCA, having joined in 1990. He commenced a local government career in 1967 as a sanitary inspector with Ayr CC. In 1976 he gained a BSc from Strathclyde University and joined Cunninghame DC. As Assistant Director of Environmental Health he has worked on many pollution projects. In 1980 he instigated Cunninghame's smoke control programme. As a member of the Institute of Acoustics he contributed a chapter on noise control to the Environmental Health Reference Book, Butterworths (1988).

TREVOR TOWNSEND, MIEH, FRSH, represents the West Midlands Division and is a member of the National Noise Committee. He is currently Head of Environmental Health Services with Cannock Chase DC. He qualified as an environmental health officer in 1964 and has since held senior appointments with several local authorities, mainly specialising in environmental pollution. He is the past Technical Secretary of the Midlands Joint Advisory Council for Clean Air and Noise Control and is currently a lecturer and examiner of both the Environmental Health Officers Examination Board and the Royal Society of Health's Diploma in Air Pollution Control.

R.N. (NEIL) TURNER, DNS, MIEH, T Eng(CEI), is Honorary Secretary of the North West Division, NSCA and heads the Pollution/Health & Safety Unit at Knowsley MBC. Specialising in pollution control management and consultancy for the past 15 years he has produced evidence for Royal Commission reports, been a consultee and working party member on several "BATNEEC" guidance documents and has had several papers published nationally and internationally on pollution based topics, management and training. He is an examiner for the Royal Society of Health, lecturer at Salford College of Technology and a member of the Merseyside Pollution Group and Manchester Area Pollution Advisory Council. He represents his Division on the Parliamentary and Local Government Committee.

CLLR RAYMOND TURNER represents West Midlands Division, NSCA. He is a Worcester City Councillor and Deputy Mayor 1990-1991. He is governor of two local schools, an active trade unionist and senior health and safety representative. He served for eight years in the Royal Navy.

JOHN T. WADE, MSc, MIOA, MIEH, represents the South East Division. He qualified as an environmental health officer in 1977 and has Master of Science degrees in Environmental Pollution Science and Environmental Acoustics. He specialised in noise and air pollution matters in local government and was one of the first people to use diffusion tubes to monitor environmental NO₂ in London. In 1987, he joined Aspinwall and Company Ltd and is currently Manager of the Regional Office, London and the South-East, and heads an expanding acoustics and occupational health group. He is a member of the Society's National Noise Committee and Secretary of the London Branch of the Institute of Acoustics. He has lectured to various professional

and student groups on noise and air pollution problems. He holds membership of the Acoustical Society of America and is an Associate Member of the Institute of Noise Control Engineering.

ROBERT F. WEST, MIEH, MIOA, MInstWM, represents the NSCA South and Mid Wales Division. He qualified in 1968 with a diploma in Public Health from the University of Wales, Institute of Science and Technology. He is currently employed as a Principal Environmental Health Officer responsible for Pollution Control with Cardiff CC. He is a member of the Society's Technical Committee and is also involved with other regional committees and working groups dealing with waste management, radiation and pollution related topics.

CLLR THOMAS W. YELLOWLEY, MBE, represents the Northern Division. He was elected to the Newcastle-upon-Tyne CC in May 1963. He is Chairman of the AMA Environmental Health and Consumer Affairs Committee and member of LACOTS. He was Vice Chairman of the Northern Division, NSCA, in 1976, Chairman, Northern Division in 1977 and Vice Chairman from 1978 to date. He currently serves on the Finance and Administration Committee.

SECTION 4

Divisional Membership as at 1 January 1992

Scottish Division
Northern Ireland Division
Northern Division
North West Division
Yorkshire & Humberside Division
West Midlands Division
East Midlands Division
Eastern Division
South East Division
South West Division
South and Mid Wales Division

SCOTTISH DIVISION**Chairman:** Dr D. O. Harrop**Hon. Secretary:** C. MorganEnvironmental Health Department,
Glasgow City Council, 23 Montrose Street,
Glasgow G1 1RN*Telephone: 041 227 5564/5552***MEMBERSHIP LIST*****LOCAL AUTHORITY MEMBERS***Aberdeen City Council
Clackmannan District Council
Clydebank District Council
Clydesdale District Council
Cumnock & Doon Valley District Council
Cunninghame District Council
Dumbarton District Council
Dundee City Council
Edinburgh City Council
Falkirk District Council
Glasgow City Council
Hamilton District Council
Inverclyde District Council
Inverness District Council
Kilmarnock & Loudoun District Council
Kincardine & Deeside District Council
Kirkcaldy District Council
Midlothian District Council
Monklands District Council
Motherwell District Council
Nithsdale District Council
Renfrew District Council
Ross & Cromarty District Council
Shetland Islands Council
Strathclyde Regional Council
Strathkelvin District Council
West Lothian District Council***CORPORATE MEMBERS***British Alcan Primary & Recycling Ltd
British Coal (*SM*)
British Gas (*SM*)
British Steel
Friends of the Earth
Honeywell Control Systems Ltd

Mott MacDonald Scotland

Roche Products Ltd

Scottish Power

Shanks & McEwan (Contractors) Ltd

Wright, Johnston & MacKenzie

INDIVIDUAL MEMBERSBarrett, Ms. R.A.
Blair, J.A.
Brooks, B.I.
Brown, Miss Y.
Cannavan, Mrs M.
Garruthers, S.
Clark, B.
Corbett, Ms. E.
Douglas, A.M.
Fleming, W.R.
Forbes, Dr G.I.
Gibb, R.
Gibson, W.
Harrison, Dr S.J.
Harrop, Dr D.O.
Heape, Ms. M.
Huxtable, J.
Jones, K.
Kenny, P.
Liebscher, Dr K. (*LM*)
MacPherson, I. (*LM*)
McGhie, J.R. (*LM*)
McLeod, A.
McManus, F.
McMullen, Miss M.P.
Miller, D.
Murdoch, J.D.
Nicol, J.
Nicolson, R.S.
Peckham, A.
Smart, J.
Summers, J.P.
Walker, Ms J
Watson, D.M. (*LM*)
Watt, Dr G.
Wilkie, R.I.
Williams, Dr J.

Mr Mervin Fleming
67 Kilwarlim Road
Hillsborough
Co Down BT26 6EA

HM Inspectorate of Pollution (*SM*)
National Power (*SM*)

INDIVIDUAL MEMBERS

Bird, D. (*LM*)
Boundy, Miss S.
Calvert, Mrs M.R. (*LM*)
Cayton, S. (*LM*)
Cresswell, C. (*HM*)
Daniels, D.
Emerson, R. (*LM*)
Harpe, B.M.S.
Isaac, Professor P.C.G. (*LM*)
Mair, L. (*LM*)
Nicholson, Dr R.
Robson, W.C. (*HM*)
Rutherford, I.J.
Toulson, T.

NORTH WEST DIVISION

*Cheshire, Clwyd, Cumbria (in part),
Greater Manchester, Gwynedd, Isle of
Man, Lancashire, Merseyside.*

Chairman: Cllr R. Williamson

Hon. Secretary: R.N. Turner

45 Down Green Road

Harwood Bolton BL2 3QD

Telephone: 051 443 4731

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Alyn & Deeside District Council
Arfon Borough Council
Blackpool Borough Council
Bolton Metropolitan Borough Council
Burnley Borough Council
Bury Metropolitan Borough Council
Cheshire County Council
Chorley Borough Council
Congleton Borough Council
Delyn Borough Council
Halton Borough Council
Hyndburn Borough Council

Isle of Man Government
Knowsley Metropolitan Borough Council
Liverpool City Council
Macclesfield Borough Council
Manchester City Council
Oldham Metropolitan Borough Council
Pendle Borough Council
Ribble Valley Borough Council
Rochdale Metropolitan Borough Council
Rossendale Borough Council
Salford City Council
Sefton Metropolitan Borough Council
South Ribble Borough Council
St Helens Metropolitan Borough Council
Stockport Metropolitan Borough Council
Tameside Metropolitan Borough Council
Trafford Metropolitan Borough Council
Warrington Borough Council
West Lancashire District Council
Wigan Metropolitan Borough Council
Wirral Metropolitan Borough Council

CORPORATE MEMBERS

Acid Rain Information Centre
British Gas (*SM*)
CMB Engineering Group plc
Greater Manchester Scientific Services
Greater Manchester Waste Disposal
Authority
HM Inspectorate of Pollution (*SM*)
Manchester Area Pollution Advisory
Council
National Power (*SM*)
Shell UK Ltd
University of Manchester, The Institute of
Science & Technology - Pollution
Research Unit
Woolton Society, The

INDIVIDUAL MEMBERS

Allen, Dr J. K.
Butlin, J.
Carson, J.E.
Cass, H. V. (*LM*)
Christian, F. V. (*LM*)
Evans, T.

Fallows, W. B. (LM)
Ford, N. J.
Foskett, E. W.
Franklin, N. J.
Fraser, I. M.
Gee, J.
Gee, Mrs J.
Gould, Dr R.
Hayhurst, R. J. L.
Hayward, P. G.
Hendy, Dr B. (LM)
Hollingdale, R. A. W. (LM)
Jarrett, P.
Jones, Mrs J.L.
Jones, Miss K.
Kenyon, H. (LM)
Lowe, T. H.
Martin, P.
Mather, Sir W. (LM)
McGauley, H. J. (LM)
Miles, D. P.
Muir, A.
Parsonage, H. (LM)
Pemberton, R.
Phillips, H.
Phillips, S. D.
Pollitt, W. E. (LM)
Shenton, J.
Vanstone, H. B. (LM)
Whittle, R.
Winder, F. (LM)
Yates, C. J.
Zakrzewski, T.

YORKSHIRE & HUMBERSIDE DIVISION

*Humberside, North Yorkshire, South
Yorkshire, West Yorkshire.*

Chairman: Cllr J.M. Bramley

Hon. Secretary: S. Carden

Environmental Services Department,
Wakefield MDC,

29 King Street, Wakefield WF1 2SY

Telephone: 0924 295391

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Barnsley Metropolitan Borough Council
Bradford Metropolitan Borough Council
Calderdale Borough Council
Cleethorpes District Council
Doncaster Metropolitan Borough Council
Great Grimsby Borough Council
Harrogate Borough Council
Kingston upon Hull City Council
Kirklees Metropolitan Borough Council
Leeds City Council
Rotherham Metropolitan Borough Council
Scarborough Borough Council
Scunthorpe Borough Council
Selby District Council
Sheffield City Council
Wakefield City Council

CORPORATE MEMBERS

British Coal (SM)
British Gas (SM)
British Steel
HM Inspectorate of Pollution (SM)
Keighley Local Enterprise Agency
National Power (SM)
Union Carbide UK Ltd
Yorkshire and Humberside Pollution
Advisory Council

INDIVIDUAL MEMBERS

Bird, D.
Brooke, A.
Clarke, Dr A.G.
Corcoran, P.
Gittins, M.J.
Green, G.H.
Groechel, P.S.
Harberd, T.
Hird, B.
Jefferies, D.A.
Jennings, R.A.
Lane, Dr J.J.
Reynolds, F.

Saword, A.C. (LM)
 Scott, J.A. (LM)
 Shields, G.
 Tomlinson, E.S.
 Twyford, W.B. (HM)
 Wimbles, I.E.

WEST MIDLANDS DIVISION

*Hereford & Worcester, Shropshire,
 Staffordshire, Warwickshire, West
 Midlands.*

Chairman: Cllr W. Turner

Hon. Secretary: L.F. Medlycott

68 Hatherton Road, Cannock,

Staffordshire WS11 1HQ

Telephone: 0543 505265

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Birmingham City Council
 Coventry City Council
 Dudley Metropolitan Borough Council
 Lichfield District Council
 Newcastle-under-Lyme Borough Council
 North Warwickshire Borough Council
 Nuneaton & Bedworth District Council
 Redditch District Council
 Rugby Borough Council
 Solihull Metropolitan Borough Council
 South Staffordshire District Council
 Stoke-on-Trent City Council
 Tamworth Borough Council
 Walsall Metropolitan Borough Council
 Warwick District Council
 Wolverhampton Metropolitan Borough
 Council
 Worcester City Council
 Wrekin District Council
 Wyre Forest District Council

CORPORATE MEMBERS

British Coal (SM)
 British Gas (SM)
 Broquet International Ltd
 HM Inspectorate of Pollution (SM)
 Lodge Sturtevant
 National Power (SM)
 Powergen (SM)
 School of Construction Studies -
 Wolverhampton Polytechnic

INDIVIDUAL MEMBERS

Armstrong, G.D.
 Barker, I.
 Batho, A.
 Bigg, Dr M.
 Buck, Dr G.W.
 Coppin, N.J.
 Cross, R.A.
 Farrington, P.D.
 Howell, K.
 Hulme, B.
 Johnson, W.N.
 Key, M.J.
 Lloyd, M.
 Mack, S.J.
 McGuire, J.P.
 Medlycott, L.F.
 Norton, R.
 Owen, B.J.
 O'Hara, J.P.
 Pocock, Dr R.L.
 Sanders, K.
 Simmons, Dr S.A.
 Simpson, A.
 Stamper, P.J.
 Stuffins, L.N.
 Sulway, Mrs K.J.
 Wainwright, C.J.
 Webb, R.

EAST MIDLANDS DIVISION

*Cambridgeshire, Derbyshire,
Leicestershire, Lincolnshire,
Northamptonshire, Nottinghamshire.*

EASTERN DIVISION

Essex, Norfolk, Suffolk.

Chairman: K.R. Enderby

Hon. Secretary: D. Romaine

Housing and Environmental Services
Department, Derby City Council,
The Council House, Corporation Street,
Derby DE1 2FD

Telephone: 0332 255228

MEMBERSHIP LIST

EAST MIDLANDS

LOCAL AUTHORITY MEMBERS

Amber Valley District Council
Ashfield District Council
Bassetlaw District Council
Bolsover District Council
Boston Borough Council
Broxtowe Borough Council
Cambridge City Council
Charnwood Borough Council
Chesterfield Borough Council
Corby District Council
Derby City Council
Derbyshire Dales District Council
Erewash Borough Council
Fenland District Council
Gedling District Council
Harborough District Council
High Peak Borough Council
Hinckley & Bosworth Borough Council
Huntingdonshire District Council
Leicester City Council
Lincoln City Council
Mansfield District Council
Newark & Sherwood District Council
North East Derbyshire District Council
North Kesteven District Council
North West Leicestershire District Council
Nottingham City Council

Peterborough City Council
South Cambridgeshire District Council
South Derbyshire District Council
South Holland District Council
South Kesteven District Council
Wellingborough Borough Council

CORPORATE MEMBERS

Anderson Instruments Ltd
BCRA Scientific & Technical Services Ltd
British Coal (*SM*)
British Gas (*SM*)
British Steel
Coalite Smokeless Fuels (*SM*)
Combustion Developments Ltd
Derbyshire College of Higher Education
HM Inspectorate of Pollution (*SM*)
Leicester Polytechnic - School of
Chemistry
Low Temperature Coal Distillers
Association
National Power (*SM*)
Philips Industrial Automation
Rolls Royce plc
Solid Smokeless Fuels Federation
UK Centre for Economic & Environmental
Development

INDIVIDUAL MEMBERS

Barratt, Dr R.S.
Bates, C.P.
Bradley, C.J.
Brown, A.H.
Clayton, H.M. (*LM*)
Davis, D. (*LM*)
Edwards, Mrs M.P.
Enderby, K.R. (*HM*)
Hall, J.E. (*LM*)
Harber, Ms C.
Haynes, F.
Hunt, Dr J.C.R.
Inglefield, Mrs E.J.
Lander, R.W. (*HM*)
Raven, E.F. (*HM*)
Richards, Dr J.M.
Rigby, J. (*LM*)

Riley, Dr R.V. (*LM*)
 Romaine, D.R.
 Stringer, P.G.
 Thorington, N.
 Warren, R.S.
 Weldon, Miss G.M. (*LM*)
 Wheatley, R.W.C. (*HM*)
 Wilcock, T.G.

MEMBERSHIP LIST EASTERN

LOCAL AUTHORITY MEMBERS

Basildon District Council
 Brentwood District Council
 Castle Point District Council
 Colchester Borough Council
 Epping Forest District Council
 Harlow District Council
 Ipswich Borough Council
 Norwich City Council
 St Edmundsbury Borough Council
 Thurrock Borough Council

CORPORATE MEMBERS

Ford Motor Company Ltd
 HM Inspectorate of Pollution (*SM*)
 National Power (*SM*)

INDIVIDUAL MEMBERS

Ball, Dr D.J.
 Bonfield, C.C.
 Bradshaw, J.
 Dobson, P.F.
 Fisher, J.G.
 Goodfellow, J. (*HM*)
 Hilton, J.G.
 Pither, J.E.
 Rees, E.
 Ritchie, M.
 Rolph, M.A.
 Skeate, Mrs J.E.
 Ventris, G.L.
 Wade, J.T.
 Waldron, Mr & Mrs R.A. (*LM*)
 Wright, A.

SOUTH EAST DIVISION

*Bedfordshire, Berkshire, Buckinghamshire,
 East Sussex, Greater London, Hampshire,
 Hertfordshire, Isle of Wight, Kent,
 Oxfordshire, Surrey, West Sussex.*

Chairman: Mr P. Cooney
Hon. Secretary: J.J. Beagle
 19 Oxgate Gardens, Brent,
 London NW2 6EA
Telephone: 081 452 0203

LOCAL AUTHORITY MEMBERS

Adur District Council
 Arun District Council
 Barking & Dagenham, London Borough of
 Barnet, London Borough of
 Bexley, London Borough of
 Brent, London Borough of
 Brighton Borough Council
 Bromley, London Borough of
 Broxbourne Borough Council
 Cherwell District Council
 Crawley Borough Council
 Croydon, London Borough of
 Dacorum Borough Council
 Dartford Borough Council
 Dover District Council
 Ealing, London Borough of
 Eastbourne Borough Council
 Elmbridge Borough Council
 Enfield, London Borough of
 Epsom & Ewell District Council
 Fareham Borough Council
 Gosport Borough Council
 Gravesham Borough Council
 Greenwich, London Borough of
 Guildford Borough Council
 Hackney, London Borough of
 Harrow, London Borough of
 Hastings Borough Council
 Havering, London Borough of
 Horsham District Council
 Hounslow, London Borough of
 Islington, London Borough of
 Kensington & Chelsea, Royal Borough of
 Kingston upon Thames, Royal Borough of

Lewes District Council
 Lewisham, London Borough of
 London, City of
 Luton Borough Council
 Mid Bedfordshire District Council
 North Bedfordshire Borough Council
 Oxford City Council
 Portsmouth City Council
 Richmond upon Thames, London
 Borough of
 Rochester upon Medway Borough Council
 Rother District Council
 Sevenoaks District Council
 Slough Borough Council
 South Bedfordshire District Council
 South Oxfordshire District Council
 Southampton City Council
 Southwark, London Borough of
 Surrey Heath Borough Council
 Sutton, London Borough of
 Tower Hamlets, London Borough of
 Watford Borough Council
 Westminster, City of
 Woking Borough Council
 Wokingham District Council
 Worthing Borough Council
 Wycombe District Council

CORPORATE MEMBERS

Advanced Environmental Sytems Ltd
 Anatomia Ltd
 Automobile Association, The
 Blue Circle Industries plc
 BP Oil Ltd
 British Coal (*SM*)
 British Gas (*SM*)
 British Steel
 Calor Gas Ltd
 Cory Environmental Ltd
 Denton Hall Burgin & Warrens
 Environmental Research Technology Ltd
 Esso Petroleum Co Ltd
 Guinness Brewing GB
 HM Inspectorate of Pollution (*SM*)
 Imperial Chemical Industries plc
 Institute of Petroleum, The

Institution of Environmental Health
 Officers, The
 Institution of Gas Engineers, The
 Johnson Matthey plc - Catalytic Systems
 Division
 LSS - Rendel Scientific Services Ltd
 National Power (*SM*)
 North East Surrey College of Technology
 RAC Motoring Services
 Sabre Gas Detection Ltd
 Shell UK Ltd
 Shell UK Oil Ltd
 Sunbury Hill Clinic Ltd
 Tottenham College of Technology

INDIVIDUAL MEMBERS

Ades, T.R.
 Air, D.A.
 Allen, J.
 Atkinson, N.
 Bairds, J.M.
 Barrowcliffe, R.
 Bartlam, J.N. (*LM*)
 Bates, J.
 Baverstock, S.
 Beaman, A.L.
 Beaumont, M. (*HM*)
 Bell, D.
 Bennett, Mrs L.
 Berrisford, P.
 Bigg, Dr M.
 Black, A.
 Blake, P.
 Boddy, J.H. (*LM*)
 Boehmer-Christiansen, Dr S.A.
 Bond, Professor G.C.
 Bourke, Miss I.
 Brooks, C.J. (*LM*)
 Brown, Dr R.S.
 Brown, T. (*LM*)
 Butcher, D.
 Butler, J.W. (*LM*)
 Campbell, B.
 Carroll, A.
 Carsten, A.
 Cawley, R.J.

Chambers, Dr D.
 Chapman, M.J.
 Charnick, A.
 Churchill, J.
 Clark, Dr A.
 Coates, M.D.
 Colehan, J.E. (*LM*)
 Colville, Lt Commander R.F. (*LM*)
 Craxford, Dr S.R. (*LM*)
 Daly, C.R.
 Di Massimo, R.A.
 East, R.G. (*LM*)
 Elsom, Dr D.M.
 Fisher, B.
 Fitzgerald, N. (*LM*)
 Fleming, B.
 Forsdyke, M.R.
 Fox, A.H.
 Franklin, R. (*LM*)
 Fuller, H.I. (*LM*)
 Gair, Dr A.J.
 Gambrill, J.
 Gandy, Miss R.L. (*LM*)
 Gardiner, Dr R.L.
 Garland, G.E. (*LM*)
 Garland, P.R.
 Gascoigne, J.L.
 Gibbons, K.H.
 Giblin, H. (*LM*)
 Gibson, Ms V.
 Goldsmith, A.
 Gordon, Ms A.
 Grant, P.M.
 Green, Mrs S.M.
 Guerrini, R.
 Guyomard, P.
 Hair, D.
 Hall, D.G.
 Hamilton, R.
 Hawkins, C.
 Holland, P.
 Horne, G.L.
 Hubbard, B.
 Hunt, J.
 Iddison, T.H. (*LM*)
 James, B.W.

Johnson, Dr C.A.
 Johnson, C.M.
 Jones, Dr P.W.
 Jones, T.H.
 Kallend, Dr A.S.
 Kayes, Dr P.J.
 Kenyon-Goldthorpe, M.
 Kingsley, Mrs P.
 Kirk, Dr P.W.W.
 Knowles, P.
 Lees, B. (*LM*)
 Logan, E.A.
 Londy, C.
 Lucas, Miss P.
 Marr, M.
 Mason, C.H.J.
 Mayall, A.
 McCracken, R. (*LM*)
 McCrae, I.S.
 McIntyre, Dr A.E.
 Melville, J.
 Menuhin, Yehudi
 Messer, D.
 Miessler, Mrs E. (*LM*)
 Mitton, P.
 Monro, Dr Jean
 Moylan, J.C.
 Mundy, K.
 Naylor, Mrs E.M.L.
 Nevard, L. (*LM*)
 O'Brien, P.
 Ollerenshaw, R.J.
 Page, W.D.
 Parker, D.V.
 Payne, T.M.
 Perriman, R.J.
 Pettit, K.
 Phillips, H.
 Potter, C.M.
 Read, S.C.
 Reed, L.E. (*LM*)
 Richardson, R.C. (*LM*)
 Sandalls, J.
 Scannell, K.
 Scorer, Professor R.S. (*HM*)
 Scotson, D.A. (*LM*)

Seymour, M.
Sharp, D.H.
Shillito, D.
Simms, K.L.
Skea, Dr J.
Smith, Mrs P. (LM)
Solaja, A.J.
Somerville, Dr H.J.
Southwood, R.M.
Sullivan, Mrs C.A.
Symons, D.N.
Tagg, J.R. (LM)
Thomas, A.O.
Thompson, I.
Turner, M.
Turner, Dr W.C. (LM)
Valentin, Dr F.H. (LM)
Varey, R.H.
Verdin, A.
Vine, Mr & Mrs G.M. (LM)
Wade, R.E.J.
Walder, A.N.
Walker, M.
Wallin, S.C. (LM)
Willcox, Mrs M.C.T.R.
Williams, I.
Woolgar, P.J.

SOUTH WEST DIVISION

*Avon, Cornwall, Devon, Dorset,
Gloucestershire, Somerset, Wiltshire.*

Chairman: H. Dawson

Hon. Secretary: J.A. Jefferies

Environmental Health Services,
Bristol City Council, Brunel House,
St George's Road, Bristol BS1 5UY
Telephone: 0272 223343

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Avon County Council
Bath City Council
Bournemouth Borough Council
Bristol City Council

Cheltenham Borough Council
Cotswold District Council
East Dorset District Council
Exeter City Council
Forest of Dean District Council
Gloucester City Council
Mendip District Council
North Wiltshire District Council
Northavon District Council
Plymouth City Council
Poole Borough Council
South Hams District Council
South Somerset District Council
Stroud District Council
Taunton Deane Borough Council
Teignbridge District Council
Thamesdown Borough Council
Torbay Borough Council
Wansdyke District Council
Woodspring District Council

CORPORATE MEMBERS

British Coal (SM)
British Gas (SM)
Cornwall Noise Advisory Committee
Cross Manufacturing (1938) Ltd
Enviro Technology Services plc
HM Inspectorate of Pollution (SM)
Nuclear Electric plc (SM)

INDIVIDUAL MEMBERS

Bailey, B.J.
Bartlett, M.J.E.
Baxter, T. (LM)
Beckwith, Dr P.
Birkin, M.
Blattner, S.
Bradford, F.J.
Briggs, E.B. (LM)
Brookfield, P.R.
Clarke, A.J. (LM)
Clarke, B.
Cromack, R.
Dawson, H. (HM)
Dickerson, D.S.
Edwick, B.H.

Etheridge, Dr S.P.
 Garrigar, O.L.
 Hagen, Dr D.
 Hannabuss, G.H. (LM)
 Hinchliffe, D.
 Jarman, R.T.
 Morris, G.
 Parker, Professor R.A.
 Price, B.
 Redston, R.V. (LM)
 Robertson, D.S.
 Robson, A.
 Stafford, S.J.
 Street, A.
 Thomas, R.V.
 Turner, D.
 Upton, B.C. (LM)
 Vick, J.L.
 Wade, Dr R.J.
 Wright, D.

SOUTH AND MID WALES DIVISION

Wales except Clwyd and Gwynedd.

Chairman: Cllr H. Thomas

Hon. Secretary: T. Jones

28 Maes-y-celyn, Griffithstown,

Pontypool, Gwent NP4 5DG

Telephone: 0495 762200

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Blaenau Gwent Borough Council
 Cardiff City Council
 Cynon Valley Borough Council
 Dinefwr Borough Council
 Islwyn Borough Council
 Llanelli Borough Council
 Lliw Valley Borough Council
 Merthyr Tydfil Borough Council
 Mid Glamorgan County Council
 Neath Borough Council
 Newport Borough Council

Port Talbot Borough Council
 Preseli Pembrokeshire District Council
 Rhondda Borough Council
 Rhymney Valley District Council
 Swansea City Council
 Taff Ely Borough Council
 Torfaen Borough Council
 Vale of Glamorgan Borough Council
 West Glamorgan County Council

CORPORATE MEMBERS

British Coal (SM)
 British Gas (SM)
 British Steel
 HM Inspectorate of Pollution (SM)
 National Power (SM)
 South Glamorgan Institute of Higher
 Education
 Swansea Port Health Authority

INDIVIDUAL MEMBERS

Barrett, K.
 Davies, G.H.
 Dukes, P.
 Evans, J.
 Harrison, J.E.
 Jones, L.G.
 Parry, J.W. (LM)
 Thayer, J.M.
 Thomas, H.I. (HM)

(HM) = Honorary Members

(LM) = Life Members

(SM) = Sustaining Members

SECTION 5

Smoke Control Areas

SMOKE CONTROL AREAS

PROGRAMMES AND PROGRESS

Urban sulphur dioxide levels fell 80% between 1962 and 1990 — largely due to the controls on domestic fuel burning brought in by the Clean Air Acts. Section 11 of the Clean Air Act 1956 allows a local authority to make a smoke control order. When this is in operation it is an offence for an occupier of premises to allow smoke emission from a chimney unless the fuel is authorised or the fireplace is exempt (a full list of authorised fuels and exempted fireplaces is published in the NSCA Pollution Handbook). Under EEC Directive 80/779/EEC — air quality limit values and guide values and guide values for sulphur dioxide and suspended particulates — air quality standards must be met. Some heavily polluted areas were given exemption until 1 April 1993. Over 40 local authorities are still completing programmes — mainly in the North East, Midlands and Yorkshire.

The following lists contain the names of the local authorities implementing smoke control areas — figures have been compiled directly from returns from local authorities — but it can be assumed that any authority not listed does not have a smoke control programme. Due to the financial restraints on local authorities some target dates and areas have yet to be decided. The figures are for the position on 31st March 1991. The fourth column for each local authority shows the percentage of the total Council area covered by smoke control. It should be remembered that some predominantly rural areas will show a low figure in this column even though the proportion of premises covered may be high.

The British Isles divisions, issued by the Department of the Environment are listed below:

EAST ANGLIA	Norfolk, Suffolk
EAST MIDLANDS	Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire, Cambridgeshire.
GREATER LONDON	
NORTH WEST	Cheshire, Greater Manchester, Lancashire, Merseyside.
NORTHERN	Cleveland, Cumbria, Durham, Northumberland, Tyne and Wear.
NORTHERN IRELAND	
SCOTLAND	
SOUTH EAST	Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Essex, Hampshire, Hertfordshire, Kent, Oxfordshire, Surrey, West Sussex.
SOUTH WEST	Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.
WALES	Clwyd, Dyfed, Gwent, Gwynedd, Mid Glamorgan, Powys, South Glamorgan, West Glamorgan.

WEST MIDLANDS

Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.

**YORKSHIRE &
HUMBERSIDE**

Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

KEY

Comp = completed

n/k = not known

susp = programme suspended

cld = programme cancelled

x = no return received this year, previously returned figures used.

Authority	Target Date	Final Area	Area on 31/3/91	% of Total	Premises
SCOTLAND					
Bearsden & Milngavie DC	n/k x	n/k	8800	98	15550
Clackmannan DC	n/k x	39680	642	1.6	3883
Clydebank DC	Comp 1980	9240	9240	100	19437
Cunninghame DC	1996	214890	1009	0.45	2937
Dumbarton DC	2005	11787	4301	37	11126
Dundee DC	Comp 1981	12654	12654	100	69778
Dunfermline DC	1995	1951	931	10	5309
East Kilbride DC	None	n/k	5471	8	26790
Edinburgh CC	1995	64000	26699	42	95306
Ettrick & Lauderdale BC	Comp	1767	1767	0.53	6551
Falkirk DC	1995	20000	15670	21	38372
Glasgow CC	1992 x	50037	43790	87.5	307375
Hamilton DC	n/k	n/k	4167	12.9	16844
Inverclyde DC	Susp	n/k	328	n/k	9290
Kilmarnock & Loudoun	n/k	n/k	100.9	<1	577
Kirkcaldy DC	n/k	527	6136644	9.5	7083
Kyle & Carrick DC	1974 x	98	98	0.04	156
Monklands DC	1995	40000	6656	16.4	24645
Motherwell DC	n/k	n/k	878	2	6518
Nithsdale DC	Susp	3724	2043	30	1822
Perth & Kinross DC	n/k	0	0	0	40500
Renfrew DC	Clld	21986	21986	29	71500
Roxburgh DC	n/k	1240	425	0.1	1900
Stirling DC	n/k	n/k	378	n/k	2050
Strathkelvin DC	n/k x	64000	5156	8	10000
West Lothian DC	n/k	103401	6121	6	16371
SOUTH EAST					
Aylesbury Vale DC	Susp	3594	913	<1	5240
Basildon DC	n/k	4281	2964	11	n/k
Bracknell Forest BC	Comp	3811	3811	14	35000
Brentwood DC	n/k x	n/k	14903	40	2856
Brighton BC	Susp	1472	1472	10	24392
Broxbourne BC	Comp 1988	12911	12911	100	38553
Canterbury CC	n/k x	77207	2625	0.3	2965
Crawley BC	n/k	11520	4365	37.9	38243
Dacorum DC	Comp	3731	3731	7	15000
Dartford BC	Comp	17267	17267	n/a	31035
Elmbridge BC	n/k	>0.5	n/k	<0.5	2
Epping Forest DC	None	n/k	600	70	2463
Gillingham BC	Comp 1979	11023	11023	100	42252
Gravesham BC	Comp 1985	4532	4532	18	25278

Authority	Target Date	Final Area	Area on 31/3/91	% of Total	Premises
- Guildford BC	Susp x	n/k	2885	4	10517
Harlow DC	Comp 1968 x	6320	6320	90	30000
- Hertsmere DC	n/k	24169	2121	8.7	7913
Kingston upon Thames RB	Comp 1980	3697	3697	100	55738
Luton BC	Comp 1979	10657	10657	100	79129
- Milton Keynes BC	Susp	7862	7862	10	24507
North Beds BC	Comp 1987	5436	5436	4	35723
- North Herts DC	n/k x	1342	1342	1.55	5000
Oxford CC	Susp	1534	941	61	35000
- Portsmouth CC	Susp	9248	n/k	16.8	19039
Reading BC	Susp	9988	6242	n/k	45000
Rochester-Medway BC	n/k x	n/k	6383	16	19974
S Oxfordshire DC	n/k	n/k	506	0.3	570
Sevenoaks DC	Clld x	n/k	1341	1	3884
Slough BC	Comp 1989	2757	2757	100	n/k
Southampton CC	n/k x	4254	4254	35	30892
Spelthorne BC	None	13880	11752	85	32316
- Stevenage BC	Comp 1982	6257	6257	100	39000
Thurrock BC	n/k	n/k	10130	22.23	22761
Watford BC	Comp 1979	5275	5275	100	36064
- Windsor & Maidenhead	Clld	n/k	770	1	2655
Wycombe DC	Comp	3818	3818	4.8	21500

SOUTH WEST

Bath CC	1993	7091	3234	46	27543
Bristol CC	Comp 1988	26516	26516	100	155340
Cheltenham BC	1993	8537	1831	21.45	10497
- Exeter CC	n/k	11660	7042	60	19000
Kingswood BC	n/k	n/k	13	<1	130
Northavon DC	1991 x	6068	5570	4.8	8805

WALES

Alyn & Deeside DC	n/k x	n/k	50	0.1	400
- Delyn DC	n/k	n/k	1200	1.7	816
Newport BC	n/k	n/k	67	0.14	1178
- Swansea CC	1989 x	249	198	<1	2147
Wrexham Maelor BC	Susp	2916	2166	2.4	10390

WEST MIDLANDS

Birmingham CC	Comp 1986	65335	65335	100	459104
Cannock Chase DC	1998	19500	500	2.5	4000

Authority		Target Date	Final Area	Area on 31/3/91	% of Total	Premises
- Coventry MBC	Comp	1984	23856	23856	100	76659
Dudley MBC	Comp	1988	242020	242020	100	132500
E Staffs DC		1992 x	4120	3420	3	16189
Lichfield DC		1993	8030	6491	10	14858
N Warwickshire BC		1993	5000	4330	15	15500
Newcastle under Lyme BC		1991	n/k	7351	14	31500
North Shropshire DC		Susp	1310	512	0.3	1850
Nuneaton & Bedworth DC		1994	14815	10350	53	28062
- Rugby BC	Comp	1979	7010	8112	9	23124
- S Staffs DC		Susp	15814	5186	5.1	3066
Sandwell MBC		Susp	21150	6536	31	34446
Solihull MBC		Susp	n/k	12127	27	50631
Staffs Moorlands DC		1994	6177	3195	2.24	9483
Stoke-on-Trent CC		1992	22949	20305	92	90800
- Tamworth BC		Susp	7648	4830	63	21850
Walsall MBC		1994	26266	21390	81	91000
- Warwick DC	Comp	1984	6757	6757	10	36002
Wolverhampton MBC		1993	17031	13261	78	77148
Worcester CC		1992	7862	5801	74	22977
Wrekin DC		Susp	19311	9159	13	19966
Wyre Forest DC		n/k	n/k	639	1.3	6835

YORKSHIRE & HUMBERSIDE

- Barnsley MBC		1993	29177	25525	32	55425
- Bradford MBC		n/k	91444	50838	56	180106
Calderdale MBC		n/k	n/k	6654	45	83000
- Chester Le Street DC	Ongoing		75%	n/k	n/k	n/k
- Craven DC	Comp	x	8498	8498	29	8207
Doncaster MBC		1993	142600	42121	29	79231
- Glanford BC		n/k x	139346	15264	11	5135
Harrogate BC		Susp	21003	9001	43	20710
Hull CC		1992	17598	12621	72	105096
- Kingston-on-Hull CC		1993 x	17598	9331	53	65767
Kirklees MBC		1993	102400	58503	60	133487
- Leeds CC		Susp	138441	75605	55	223463
Rotherham MBC		1992	69880	53667	77	71919
Ryedale DC		n/k	n/k	715	0.2	5180
Scunthorpe BC	Comp	1981	8337	8337	100	27200
Selby DC		1990	7653	7653	4.3	11285
Sheffield MDC	Comp	1978	58048	58048	64	222338
Wakefield MBC		1993	33320	15392	46	77822
York CC	Comp		7306	7306	100	39338

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Authority	Target Date	Final Area	Area on 31/3/91	% of Total	Premises
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EAST ANGLIA

Cambridge CC	Susp	n/k	24858	14	n/k
Kings Lynn & WN BC	n/k	841	841	0.2	4474
Norwich CC	Susp	9654	1535	16	3552
Peterborough CC	n/k	82424	6531	7.9	32805

EAST MIDLANDS

Amber Valley BC	1990		19300	3971	6	8519
Ashfield DC	1994	x	23936	16478	61	28708
Bassetlaw DC	1993		20000	15127	9.6	30566
Blaby DC	Comp 1987		9365	9365	29	22243
Bolsover DC	1993	x	39876	6000	15	7796
Broxtowe BC	Comp 1986		14862	14862	75	36000
Chesterfield BC	1991		16418	16264	99	39600
Corby DC	Comp		2611	2611	13.2	n/k
Derby BC	Comp 1985		19282	19282	100	90233
Erewash BC	2002		7577	4201	15.6	18457
Gedling BC	1995	x	6573	5683	22	30800
High Peak DC	Comp 1986		4114	4114	3	14148
Leicester CC	Comp 1975		17232	17232	100	108878
Lincoln CC	1984		8828	8828	100	41803
Mansfield DC	1993		19007	18445	97	40915
NE Derbyshire DC	n/k		68484	20838	30	29385
Newark & Sherwood DC	1991		9342	7106	5.8	10912
North Kesteven DC	n/a		n/a	299	0.1	983
Northampton BC	1993		19931	7907	40	22800
Nottingham CC	1991		18365	18365	100	134085
Oadby & Wigston BC	n/k		n/k	145	1	n/k
South Kesteven DC	n/k		n/k	3837	1.6	15182
West Lindsey	Comp 1990		69	69	0.02	1

GREATER LONDON

Barking & Dagenham	Comp 1985		8886	8886	100	70118
Bexley	Comp 1976		15847	15847	100	89886
Brent	Comp 1975		10934	10934	100	108418
Bromley	Comp 1979		29600	29600	79	137000
Camden	Comp 1968		5365	5365	100	88214
Corp. of London	Comp 1955		679	679	100	17360
Croydon	Susp		21395	13164	62	106000
Ealing	Comp 1972		13707	13707	100	126370
Enfield	Comp 1977		20061	20061	100	89187
Greenwich	Comp 1972		11722	11722	100	94957
Hackney	Comp 1967		4814	4814	100	n/k

Authority	Target Date	Final Area	Area on 31/3/91	% of Total	Premises
Hammersmith & Fulham	Comp 1967	3988	3988	100	73000
Haringey	Comp 1970	7491	7491	100	84452
Harrow	Comp 1975	12553	12553	100	78089
Havering	Comp 1979	29650	29650	100	100700
Hillingdon	Comp 1986	27260	27260	100	107872
Hounslow	Comp 1972	14460	14460	100	94967
Islington	Comp 1969	9091	9091	100	82000
Kensington & Chelsea	Comp	2950	2950	100	25288
Kingston-on-Thames	Comp 1980	9135	9135	100	55738
Lambeth	Comp 1978	6738	6738	100	106400
Lewisham	Comp x	n/k	n/k	n/k	n/k
Merton	Comp 1977	9380	9380	100	65800
Newham	Comp 1982	8987	8987	100	88462
Redbridge	Comp 1974	5650	5650	100	77300
Richmond-on-Thames	Comp	12866	12866	92	88914
Southwark	Comp 1987	2538	n/k	100	116334
Sutton	Comp x	10732	10732	100	67730
Tower Hamlets	Comp	4875	4875	100	n/k
Waltham Forest	Comp 1985	9804	9804	100	89900
Wandsworth	Comp 1977	8861	8861	100	121000
Westminster City	Comp 1970	2880	2540	100	116300

NORTHERN

Allerdale DC	1993 x	8816	1413	0.4	4348
Alnwick DC	None	n/k	< 10	0.004	76
Blyth Valley BC	1992	17647	13508	76.5	30429
Carlisle CC	Susp	n/k	898	0.3	4450
Castle Morpeth BC	Comp 1987	2534	2534	1.7	6155
Copeland BC	n/k	n/k	360	0.2	1671
Darlington BC	Comp 1987	6469	6469	13.1	35482
Derwentside DC	n/k	n/k	836	1.25	3801
Easington DC	1993	7687	5896	80	14502
Gateshead MBC	1993	35372	29830	84	78420
Hartlepool BC	Comp 1982	9073	9073	39	34416
Langbaurgh BC	1993	13500	12478	21	45593
Middlesbrough BC	Comp 1979	13318	13318	100	n/k
Newcastle-on-Tyne MBC	Comp 1978	34500	34500	100	135000
North Tyneside MBC	Comp 1990	20699	20699	100	92313
Sedgefield DC	n/k	n/k	1210	2.2	5900
South Derbyshire DC	n/k	n/k	1716	2	4521
South Tyneside MBC	1990 x	16285	14524	90	68002
Stockton-on-Tees BC	Comp 1988	16227	16227	34	60000
Sunderland BC	1993	12945	10874	31.5	43298

Authority	Target Date	Final Area	Area on 31/3/91	% of Total	Premises
NORTHERN IRELAND					
Antrim BC	1976	740	740	100	7126
- Ards BC	None	n/a	105.3	0.05	823
- Armagh DC	n/k	n/k	n/k	5	96
- Ballymena BC	Susp x	n/k	325	0.9	890
Belfast CC	1996	26218	10279	39.2	75942
Castlereagh BC	n/k x	6338	5428	26.2	19196
Down DC	Comp	n/k	484.3	<1	1098
- Larne BC	n/k x	n/k	5	0.01	192
- Newtonabbey DC	n/k x	n/k	1776	5	7084
North Down DC	Susp	434	434	2.4	1090
NORTH WEST					
Blackburn BC	Comp 1986	n/k	13043	38.4	48271
- Blackpool BC	None	8643	Nil	Nil	Nil
Bolton MBC	1994	34572	33369	96	101162
Burnley BC	Comp 1980	23700	23700	82	42050
- Bury MBC	Susp x	24505	18020	74	52604
Chorley MBC	1995	4009	353.3	2.2	3186
- Crewe & Nantwich BC	n/k x	n/k	1957	1.8	8731
Ellesmere Port BC	Comp 1982 x	3897	3897	21	23114
Halton BC	Comp 1980 x	17121	17121	90	41300
Hyndburn BC	Comp 1980	16611	16611	92	37976
- Knowsley MBC	Susp	n/k	2574	26	51295
- Lancaster CC	n/k	n/k	2402.2	5.67	9478
Macclesfield BC	n/k	n/k	304	0.2	2635
Manchester CC	Comp 1985	28723	28723	100	214000
Oldham MBC	1992	21361	21361	60.7	102788
Pendle DC	Comp	14964	14964	36	29500
Preston BC	Comp 1985	8347	8347	26	48675
Ribble Valley BC	n/k x	n/k	2177	2	848
- Rochdale MBC	Comp 1989	30724	30724	70	78222
- Rossendale BC	1991	31100	23491	68.74	23609
Salford City MBC	Comp 1978	23942	23942	100	90279
- Sefton MBC	n/k	14742	2587	5.7	13463
South Ribble BC	2000	27454	10246	37	32610
St Helens MBC	1992	30461	30162	91.5	69487
Stockport MBC	n/k	31147	24707	79	103145
Tameside MBC	Comp 1984	25500	25500	100	100711
Trafford MBC	Comp 1981	24781	24781	100	103408
Vale Royal DC	n/k	n/k	6861	7.2	11230
- Warrington BC	Comp 1983	16733	16733	95	73400
West Lancashire DC	Clld	n/k	71701	n/k	14236
Wigan MBC	n/k x	49160	27794	57	73255
Wirral MBC	n/k	38622	22730	59	96241

SECTION 6

Directory of Environmental and Related Organisations

For ease of reference entries in this directory are arranged in alphabetical order with a classified index. Brief descriptions are included of organisations whose titles are not self-explanatory. Organisations are classified under the following headings:

Air Pollution
Built Environment
Consumer Issues
Countryside Conservation
Development
Energy
Environmental Education
Environmental Law
General Environment
Health

Industrial Organisations
Local Government Organisations
Meteorology
Noise Pollution
Pesticides
Research
Transport
Waste/Recycling
Water Pollution

National and International organisations are listed separately.

~~Add to '93~~

Add to '93 Members handbook.

Forestry Commission
231 Constonphine Rd
Edin

As:-

←
AEF
Sir John Lyon H
5 High Timber St
L. EC4V 3NS

Tel. 071 329 8159

Coalfield Communities Campaign

9 Regent St

Barnsley S70 2EG

ACTION ON SMOKING AND HEALTH (ASH)

5-11 Mortimer Street
London W1N 7RH

Tel: 071 637 9843

109 Glass Place
W1H 3PH
071 935 3519

AIRFIELDS ENVIRONMENT FEDERATION (AEF)

West Wing
5-11 Lavington Street
London SE1 0NZ

Tel: 071 928 4933

ASBESTOS REMOVAL CONTRACTORS' ASSOCIATION

1 High Street
Chelmsford
Essex CM1 1BE

Tel: 0245 259755

Essex House
6 Parkway
CM2 0NF

ASSOCIATION FOR THE PROTECTION OF RURAL SCOTLAND

14a Napier Road
Edinburgh EH10 5AY

Tel: 031 229 1898

Charles M. Dalguise
nr. Donhead
Perthshire

ASSOCIATION FOR THE REDUCTION OF AIRCRAFT NOISE (ARRAN)

11 First Street
London SW3

Tel: 071 584 1848

Tel: 0360
728712

ASSOCIATION OF BRITISH SOLID FUEL APPLIANCES MANUFACTURERS (ABSAM)

Fleming House
Renfrew Street

Glasgow G3 6TG
Tel: 041 332 0826

77 Glasgow G3 6TG 3B2

ASSOCIATION OF COUNTY COUNCILS (ACC)

Eaton House
66A Eaton Square
London SW1W 9BH
Tel: 071 235 1200

ASSOCIATION OF DISTRICT COUNCILS (ADC)

26 Chapter Street
London SW1W 4ND
Tel: 071 233 6868

ASSOCIATION OF INDUSTRIAL FILTER AND SEPARATOR MANUFACTURERS

15 Took's Court
London EC4 1LA
Tel: 071 405 5445

Dead 3 years!

ASSOCIATION OF METROPOLITAN AUTHORITIES (AMA)

35 Great Smith Street
London SW1P 3BJ

Tel: 071 222 8100

ASSOCIATION OF NOISE CONSULTANTS

Spectrum House
20-26 Cursitor Street
London EC4A 1HY

Tel: 071 405 2088

6 Trap Road
Gilden Morden
Nr. Royston, Herts
SG8 0BE

ASTHMA SOCIETY

300 Upper Street
London N1 2XX

Tel: 071 226 2260

Tel: 0763 852958
Providence House
Street
London N1 0NT

ATMOSPHERIC RESEARCH & INFORMATION CENTRE (ARIC)

Dept of Environment & Geographical Studies
Manchester Polytechnic
Chester Street

Manchester M1 5GD
Tel: 061 247 1592

Metropolitan Science
University

ATOMIC ENERGY RESEARCH ESTABLISHMENT (AERE)

Division 364
Harwell Laboratory
Oxfordshire OX11 0RA
Tel: 0235 821111

Out of date

BRITISH COAL

Hobart House
Grosvenor Place
London SW1X 7AE
Tel: 071 235 2020

BRITISH COMBUSTION EQUIPMENT MANUFACTURERS' ASSOCIATION

See GAMBICA

BRITISH CYCLING FEDERATION (BCF)

16 Upper Woburn Place
London WC1H 09E
Tel: 071 381 9320

BRITISH GAS PLC

Rivermill House
152 Grosvenor Road
London SW1V 3JL
Tel: 071 821 1444

BRITISH INTERNAL COMBUSTION ENGINE RESEARCH INSTITUTE LTD

111-112 Buckingham Avenue
Trading Estate
Slough
Berkshire SL1 4PH
Tel: 0753 27371

Dead!

BRITISH LUNG FOUNDATION

8 Peterborough Mews
London SW6 3BL
Tel: 071 371 7704

BRITISH NUCLEAR ENERGY SOCIETY (BNES)

1-7 Great George Street
London SW1P 3AA
Tel: 071 630 0726 *071 222 7722*

BRITISH ROAD FEDERATION

194-202 Old Kent Road
London SE1 5TG
Tel: 071 703 9769

BRITISH STANDARDS INSTITUTION

Information Office
Linford Wood
Milton Keynes MK14 6LE
Tel: 0908 220022

BRITISH WIND ENERGY ASSOCIATION (BWEA)

4 Hamilton Place
London W1X 0BQ *WIV OBR*
Tel: 071 499 3515 *0753 882447*

BUILDING RESEARCH ESTABLISHMENT

Building Research Station
Garston *Bucknalls Lane*
Watford WD2 7JR
Tel: 0923 894040

Research in building design and materials.

CENTRE FOR ALTERNATIVE TECHNOLOGY (CAT)

Machynlleth
Powys SY20 9AZ
Tel: 0654 2400 *702400*
Working demonstration and information on sustainable technologies.

CENTRE FOR INTERNATIONAL ENVIRONMENTAL LAW (CIEL)

King's College London
Manresa Road
London SW3
Tel: 071 376 8644 *071 352 8123*
Promotion and development of the use of international environmental law.

CIVIC TRUST

17 Carlton House Terrace
London SW1Y 5AW
Tel: 071 930 0914
Maintains standards of environmental quality and management in the inhabited environment.

CLIMATE ACTION NETWORK (CAN)

21 Tower Street
London WC2H 9NS
Tel: 071 497 2712
International information exchange on climate change.

COAL RESEARCH ESTABLISHMENT

Stoke Orchard
Cheltenham
Glos GL52 4RZ
Tel: 0242 673361

COMBINED HEAT AND POWER ASSOCIATION

3rd Floor, Grosvenor Gardens House
35-37 Grosvenor Gardens
London SW1W 0BS
Tel: 071 828 4077

COMBUSTION ENGINEERING ASSOCIATION

Mount Lodge
Station Parade
Sunningdale, Berks
Tel: 0990 25035

CONFEDERATION OF BRITISH INDUSTRY (CBI)

Centre Point
103 New Oxford Street
London WC1A 1DU
Tel: 071 379 7400

CONSERVATION TRUST

George Palmer Site
Northumberland Avenue
Reading
Berks RG2 7PW
Tel: 0734 868442 *071 278 4736*
Information on population/environment/resources *merging with Enviro Council*

CONSUMERS ASSOCIATION (CA)

2 Marylebone Road
London NW1 2DX *4DF*
Tel: 071 486 5544
Research and publications on consumer goods and services.

CONVENTION OF SCOTTISH LOCAL AUTHORITIES

Rosebery House
9 Haymarket Terrace
Edinburgh EH12 5EX *EX XZ*
Tel: 031 346 1222

COUNCIL FOR ENVIRONMENTAL EDUCATION (CEE)

~~School of Education~~, University of Reading
London Road
Reading RG1 5AQ
Tel: 0734 756061
Coordinating body for promotion of environmental education.

COUNCIL FOR THE PROTECTION OF RURAL ENGLAND (CPRE)

Warwick House
25 Buckingham Palace Road
London SW1W 0PP
Tel: 071 976 6433

COUNCIL FOR THE PROTECTION FOR RURAL WALES (CPRW)

Ty Gwyn
31 High Street
Welshpool
Powys SY21 7JP
Tel: 0938 2525

COUNTRYSIDE COMMISSION

John Dower House
Crescent Place
Cheltenham
Glos GL50 3RA
Tel: 0242 521381

COUNTRYSIDE COMMISSION FOR SCOTLAND

Battleby
Redgorton
Perth PH1 3EW
Tel: 0738 27921

COUNTRYSIDE COMMISSION FOR WALES

Plas Penrhos
~~Ffordd Penrhos~~
Bangor
Gwynedd LL57 2JQ
Tel: 0248 370444

CYCLE CAMPAIGN NETWORK

Tress House
3 Stamford Street
London SE1 9NT
Tel: 071 928 7220

CYCLISTS TOURING CLUB (CTC)

Cotterell House
69 Mead Row
Godalming
Surrey GU7 3HS
Tel: ~~0486 87217~~ 0483 417714
Association devoted to the protection of cyclists interests - research and information on cycling policy.

DEPARTMENT OF ENERGY

Thames House South
Millbank
London SW1 4QJ
Tel: 071 238 3000

DEPARTMENT OF HEALTH

Richmond House
79 Whitehall
London SW1A 2NS
Tel: 071 210 3000

DEPARTMENT OF THE ENVIRONMENT (DOE)

Air and Noise Division
Romney House
43 Marsham Street
London SW1P 3PY
Tel: 071 276 8322
& General Switchboard
Tel: 071 276 3000

DEPARTMENT OF THE ENVIRONMENT NORTHERN IRELAND

Parliament Buildings
Stormont, Upper Newtonards Road
Belfast BT4 3SS
Tel: 0232 763210
Environmental Enquiry Point: 0800 262227

DEPARTMENT OF TRADE & INDUSTRY (DTI)

1 Victoria Street
London SW1H 0ET
Tel: 071 215 5000

DEPARTMENT OF TRANSPORT (DOT)

1 Marsham Street
London SW1P 3EB
Tel: 071 276 3000

DOMESTIC SOLID FUEL APPLIANCES APPROVAL SCHEME

Hobart House
Grosvenor Place
London SW1X 7AE
Tel: 071 235 2020, ext. 34953

*Heating Gas
Appliance
Scheme*

DTI ENVIRONMENTAL ENQUIRY POINT

Tel: Freephone 0800 585794
(Warren Spring Laboratory)

EARTH RESOURCES RESEARCH (ERR) LTD

258 Pentonville Road
London N1 9JY
Tel: 071 278 3833
Investigation and promotion of environment and resource issues.

ELECTRIC VEHICLE DEVELOPMENT GROUP (EVDG)

33/34 Alfred Place
London W1
Tel: 071 241 6800

ENERGY EFFICIENCY OFFICE

Department of Energy *clerk*
Thames House S *Dept of Environment*
Millbank *1 Palace Street*
London SW1P 4 *London SW1E SHE*
Tel: 071 211 385 *071 235 3103*

ENERGY TECHNOLOGY SUPPORT UNIT (ETSU)

AERE Harwell
Didcot
Oxon OX11 0RA
Tel: 0235 834621 *821000*
Research and information on renewable energy.

ENGLISH NATURE

Northminster House
Peterborough PE1 1UA
Tel: 0733 340345
Government body promoting nature conservation.

ENVIRONMENT COUNCIL

80 York Way
London N1 9AG
Tel: 071 278 4736/7
Umbrella body for UK non-governmental environmental organisations.

ENVIRONMENTAL LAW FOUNDATION

King's College London
Atkins Buildings South (128)
Camden Hill Road
London W8 7AH
Tel: 071 333 4100
Organisation offering advice on environmental law.

ENVIRONMENTAL TRANSPORT ASSOCIATION (ETA)

17 George Street *Old Post House*
Croydon CR0 1LA *Heath Rd*
Tel: 081 666 0445 *Weybridge, KT13 8RS*

ENVIRONMENTAL DATA SERVICES LTD (ENDS)

Unit 24, Finsbury Business Centre
40 Bowling Green Lane
London EC1R 0NE
Tel: 071 278 4745/7624

FILTRATION SOCIETY

48 Springfield Road
Horsham
West Sussex RH12 2PD
Tel: 0403 59419

FRIENDS OF THE EARTH

26-28 Underwood Street
London N17JQ
Tel: 071 490 1555

Friends of Earth (Scotland) changed 7/74 Newhaven Rd. Binnington Mill Business Centre. Edinburgh. EH6 5UG. Tel: 031 554 9977 3 years ago.

GAMBICA (The Association for the Instrumentation, Control & Automation Industry in the UK)

Leicester House
8 Leicester Street
London WC2H 7BN
Tel: 071 437 0678

GREEN ALLIANCE

49 Wellington Street
London WC2E 7BN
Tel: 071 836 0341/8670
Information and coordination on environmental policy.

GREENPEACE LTD

Canonbury Villas
London N1 ~~9XE~~ *2PM*
Tel: 071 354 5100

HEALTH AND SAFETY COMMISSION (HSC)

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF
Tel: 071 243 6000
Promotes the protection of people at work and the public from industrial hazards.

**HEALTH AND SAFETY EXECUTIVE
(HSE)**

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF
Tel: 071 221 0870

Enforcement of health and safety law in industrial premises.

HEALTH EDUCATION AUTHORITY

Hamilton House
Mabledon Place
London W1P 4RF
Tel: 071 631 0930

383 3833

**HEATING AND VENTILATION
CONTRACTORS ASSOCIATION (HCVA)**

ESCA House
34 Palace Court
Bayswater
London W2 4JG
Tel: 071 229 2488

**HM INSPECTORATE OF POLLUTION
(HMIP)**

Romney House
43 Marsham Street
London SW1P 3PY
Tel: 071 276 8647

HMIP NORTH DIVISION

Stockdale House
8 Victoria Road
Headingley Business Park
Leeds LS6 1PF
Tel: 0532 786636

HMIP NORTHERN IRELAND

Department of the Environment for Northern Ireland
Calvert House
24 Castle Place
Belfast BT1 1FY
Tel: 0232 230560

HMIP SCOTLAND

Scottish Development Department
27 Perth Street
Edinburgh EH3 5RB
Tel: 031 244 3056

HMIP WEST DIVISION

Jupiter Road
Patchway
Bristol BS12 5SN
Tel: 0272 311211

**INDUSTRY COUNCIL FOR PACKAGING
AND THE ENVIRONMENT**

Premier House
10 Greycoat Place
London SW1P 1SB
Tel: 071 222 8866

Tenterden House
3 Tenterden St.
London W1R 9AH
071 409 0949

**INSTITUTE FOR EUROPEAN
ENVIRONMENTAL POLICY (IEEP)**

158 Buckingham Palace Road
London SW1W 9TR
Tel: 071 824 8787

Analysis and promotion of environmental policy in Europe.

Fax: 071 409 0161

INSTITUTE OF ACOUSTICS

PO Box 320
St Albans
Herts AL1 1PZ
Tel: 0727 48195

INSTITUTE OF ENERGY

18 Devonshire Street
London W1N 2AU
Tel: 071 580 7124

INSTITUTE OF PETROLEUM

61 New Cavendish Street
London W1M 8AR
Tel: 071 636 1004

**INSTITUTE OF ROAD TRANSPORT
ENGINEERS**

1 Cromwell Place
Kensington
London SW7 2JF
Tel: 071 589 3744

**INSTITUTE OF SOUND AND VIBRATION
RESEARCH**

Building 15A
The University of Southampton
Southampton SO9 5NH
Tel: 0703 59122 595000

INSTITUTION OF CIVIL ENGINEERS

1 Great George Street
London SW1P 3AA
Tel: 071 222 7722

**INSTITUTION OF ENVIRONMENTAL
HEALTH OFFICERS (IEHO)**

Chadwick House
Rushworth Street
London SE1 0QT
Tel: 071 928 6006

Office Environment
Dept.

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INSTITUTION OF MECHANICAL ENGINEERS (IMECHE)

1 Birdcage Walk
London SW1H 9JJ
Tel: 071 222 7899

INSTITUTION OF PLANT ENGINEERS

138 Buckingham Palace Road
London SW1W 9SG 77 Great Peter St
Tel: 071 730 0469 SW1P 2EZ

INSTITUTION OF WASTES MANAGEMENT

9 Saxon Court
St Peters Place Gardens
Northampton NN1 1SX
Tel: 0604 20426

INTERNATIONAL CENTRE FOR CONSERVATION EDUCATION (ICCE)

Greenfield House
Guiting Power
Cheltenham GL54 5TZ
Tel: 0451 5777 850 777
Promotes the understanding of conservation and sustainable development worldwide.

INTERNATIONAL INSTITUTE FOR ENVIRONMENT & DEVELOPMENT/ EARTHSCAN

3 Endsleigh Street
London WC1H 0DD
Tel: 071 388 2117
Promotion of environment and economic development.

INVESTIGATION OF AIR POLLUTION STANDING CONFERENCE (IAPSC)

Warren Spring Laboratory
Gunnels Wood Road
Stevenage
Herts SG1 2BX
Tel: 0438 741122

LONDON BOROUGH'S ASSOCIATION

Westminster City Hall
Victoria Street
London SW1E 6QP
Tel: 071 798 2736

LONDON HAZARDS CENTRE

3rd Floor
Headland House
308 Gray's Inn Road
London WC1 8DS
Tel: 071 837 5605
Research and information on hazards in the workplace environment.

LONDON WASTE REGULATION AUTHORITY

Hampton House
20 Albert Embankment
London SE1 7TJ
Tel: 071 587 3000

LOW FREQUENCY NOISE SUFFERERS ASSOCIATION (LFNSA)

6 Hyatt Place
Shepton Mallet
Somerset BA4 5XY
Tel: 0749 345643

LOW TEMPERATURE COAL DISTILLERS' ASSOCIATION OF GREAT BRITAIN LTD

PO Box 21, Chesterfield
Derbyshire S44 6AB
Tel: 0246 822281/9

MANCHESTER AREA POLLUTION ADVISORY COUNCIL (MAPAC)

Environmental Health Dept
Town Hall
Manchester M60 2JB
Tel: 061 234 5000

MARINE CONSERVATION SOCIETY

9 Gloucester Road
Ross-on-Wye
Herefordshire HR9 5BU
Tel: 0989 66017

METEOROLOGICAL OFFICE

London Road
Bracknell
Berkshire RG12 2SZ
Tel: 0344 420242

MIDLAND JOINT ADVISORY COUNCIL FOR CLEAN AIR AND NOISE CONTROL

Environmental Health and Consumer Services Dept
Housing Dept
Dudley MBC South Staffs DC
4 Ednam Road Council Offices
Dudley Codrall
W Midlands DYT IRW Wolverhampton
Tel: 0384 452607 WVS IPX Tel: 090 34611
*221

MINISTRY OF AGRICULTURE FISHERIES & FOOD (MAFF)

Whitehall Place
London SW1A 2HH
Tel: 071 233 3000

TEHO

**MONITORING AND ASSESSMENT
RESEARCH CENTRE (MARC)**

The Old Coach *yard house*
Campden Hill
London W8 7AD
Tel: 071 376 1577

**MOTOR INDUSTRY RESEARCH
ASSOCIATION**

Watling Street
Nuneaton
Warwickshire CV10 0TU
Tel: 0203 348541

**NATIONAL ASSOCIATION OF WASTE
DISPOSAL CONTRACTORS (NAWDC)**

6-20 Elizabeth Street *Mount Barrow House*
London SW1W 9RB
Tel: 071 824 8882

NATIONAL CONSUMER COUNCIL (NCC)

20 Grosvenor Gardens
London SW1W 0DH
Tel: 071 730 3469
Research and promotion of consumer issues.

NATIONAL POWER

Senator House
Queen Victoria Street
London EC4V 4DP
Tel: 071 454 9494

**NATURAL ENVIRONMENT RESEARCH
COUNCIL (NERC)**

Polaris House
North Star Avenue
Swindon SN2 1EU
Tel: 0793 411500

**NATURE CONSERVANCY COUNCIL FOR
SCOTLAND**

12 Hope Terrace
Edinburgh
Tel: 031 447 4784

**NATIONAL INDUSTRIAL FUEL
EFFICIENCY SERVICE LTD (NIFES)**

NIFES House
Sinderland Road
Broadheath
Altrincham
Cheshire WA14 5HQ
Tel: 061 928 5791

**NATIONAL RADIOLOGICAL
PROTECTION BOARD (NRPB)**

Chilton
Didcot
Oxfordshire OX11 0RQ
Tel: 0235 831600

NATIONAL RIVERS AUTHORITY (NRA)

30-34 Albert Embankment
London SE1 7TL
Tel: 071 820 0101

NATIONAL TRUST for Places of Historic
Interest or Natural Beauty

36 Queen Anne's Gate
London SW1H 9AS
Tel: 071 222 9251

**NEIGHBOURHOOD ENERGY ACTION
(NEA)**

2nd Floor
2/4 Bigg Market
Newcastle upon Tyne NE1 1UW
Tel: 091 261 5677
Aims to publicise and solve the problem of fuel
poverty.

NOISE ABATEMENT SOCIETY

PO Box 8, Bromley
Kent BR2 0UH
Tel: 081 460 3146

NOISE COUNCIL

Chadwick House
48 Rushworth Street
London SE1 0QT

*its 32 new here
also now
doesn't have number*

NUCLEAR ELECTRIC PLC

Barnett Way
Barnwood
Gloucester GL4 7RS
Tel: 0452 652222

**NUCLEAR INDUSTRY RADIOACTIVE
WASTE EXECUTIVE (NIREX)**

Building 173.6 AERE
Harwell
Didcot
Oxon OX11 0RA
Tel: 0235 835153

**PARLIAMENTARY AND SCIENTIFIC
COMMITTEE**

30 Farringdon Street
London EC4A 4EA
Tel: 071 634 1480

PESTICIDES TRUST

23 Beehive Place
London SW9 7QR
Tel: 071 274 8895
To raise awareness of health and environmental
implications of pesticides.

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PLANTLIFE

Natural History Museum
Cromwell Road
c/o The Conservation Foundation
1 Kensington Gore *SW7 5BD*
London SW7 2AR *071 9389111*
To protect and create plant-rich habitats.

POWERGEN

Haslooke Green Rd
Shirley
Moat Lane *BN91 2JN*
Solihull *W Midlands. B90 4PD*
Tel: 021 701 2000

ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION (RCEP)

Church House
Great Smith Street
London SW1P 3BB *2*
Tel: 071 276 2080

ROYAL ENVIRONMENTAL HEALTH INSTITUTE OF SCOTLAND (REHIS)

Virginia House
62 Virginia Street
Glasgow G1 1TX
Tel: 041 552 1533 *✓ might check address number*

ROYAL INSTITUTE OF PUBLIC HEALTH AND HYGIENE (RIPHH)

28 Portland Place
London W1N 4DE
Tel: 071 580 2731/2

ROYAL SOCIETY FOR NATURE CONSERVATION (RSNC)

step
The Green *RSNC*
Nettleham *Wildlife Trusts Partnership*
Lincoln *Winthorpe Park, Waterside South*
Lincoln *LNS 7JR*
Tel: 0522 544400

ROYAL SOCIETY FOR THE PROTECTION OF BIRDS (RSPB)

The Lodge
Sandy *2*
Bedfordshire SG1X 2DL
Tel: 0767 80551 *6*

ROYAL METEOROLOGICAL SOCIETY

James Glaisher House *104 Oxford Rd*
Grenville Place *Reading, Berks*
Bracknell *RG1 2RJ*
Berkshire RG12 1BX *0734 968500*
Tel: 0344 422957

SCOTTISH DEVELOPMENT DEPARTMENT

Environmental Protection Division
27 Perth Street
Edinburgh EH3 5RB
Tel: 031 556 8400

SCOTTISH ENVIRONMENTAL EDUCATION COUNCIL

Biology Department
Paisley College
High Street
Paisley PA1 2BE
Tel: 041 887 1241 *041 848 3000*

SCOTTISH RIVER PURIFICATION BOARDS ASSOCIATION

1 South Street
Perth PH2 8NG
~~Greyhope House~~
~~Greyhope Road~~
~~Aberdeen AB1 3RD~~
Tel: 0224 248338 *0738 27989*

SOCIETY OF BRITISH GAS INDUSTRIES

36 Holly Walk
Leamington Spa
Warwickshire CV32 4LY
Tel: 0926 34357/8/9 *3*

SOCIETY OF ENVIRONMENTAL ENGINEERS

Owles Hall
Buntingford
Herts
Tel: 0763 71209

SOCIETY OF MOTOR MANUFACTURERS AND TRADERS

Forbes House
Halkin Street
London SW1X 7DS
Tel: 071 235 7000

SOLAR ENERGY SOCIETY (UK-ISES)

Kings's College London *Kensington*
Atkins Buildings South (128)
Campden Hill Road
London W8 7AH
Tel: 071 938 2919 *071 333 4314*

SOLID SMOKELESS FUELS FEDERATION

Devonshire House
Church Street
Sutton-in-Ashfield
Nottinghamshire NG17 1AE
Tel: 0623 550411

SOUND RESEARCH LABORATORIES

~~The Coach House~~ *Holbrook House*
~~49 East Street~~ *Little Waddingfield*
~~Colchester~~ *Sudbury*
~~Essex CO1 2FG~~ *Suffolk. CO10 0TH*
Tel: 0206 870025
Tel: 0787 247595

THE NORTHERN IRELAND WATER COUNCIL *Service headquarters*
3 Frederick Street
Belfast BT1 2NS
Tel: 0232 244711

THE RIGHT TO PEACE & QUIET CAMPAIGN
PO Box 968
London SE2 9RL
Tel: 081 ~~340 1874~~ *312 9997*

TIDY BRITAIN GROUP
The Pier
Wigan
Greater Manchester WN5 4EX
Tel: 0942 824620

TOWN AND COUNTRY PLANNING ASSOCIATION (TCPA)
17 Carlton House Terrace
London SW1Y 5AS
Tel: 071 930 8903/4/5
Campaigns to improve the environment through effective planning.

TRANSPORT 2000
Walkden House
10 Melton Street
Euston, London NW1 2EJ
Tel: 071 388 8386
Promotion of environmentally sound and socially responsible transport policies.

TRANSPORT AND ROAD RESEARCH LABORATORY (TRL)
Department of Transport
Old Wokingham Road
Crowthorne
Berkshire RG11 6AU
Tel: 0344 773131

UK ATOMIC ENERGY AUTHORITY (UKAEA)

11 Charles II Street *Harwell*
London SW1Y 4QP *Oxon OX11 0RA*
Tel: 071 930 5454

UK CENTRE FOR ECONOMIC & ENVIRONMENTAL DEVELOPMENT (CEED)
3e Kings Parade
Cambridge CB2 1SJ
Tel: 0223 67799
Promotion of sustainable development.

UK ENVIRONMENTAL LAW ASSOCIATION (UKELA)
Stephen Lloyd, Secretary
c/o Bates, Wells and Braithwaite
61 Charterhouse Street
London EC1M 6HA
Tel: 071 251 1122

UK PETROLEUM INDUSTRY ASSOCIATION (UKPIA)
9 Kingsway
London WC2B 6XH
Tel: 071 240 0289

WARMER CAMPAIGN (Warmth and Energy from Rubbish)
83 Mount Ephraim
Tunbridge Wells
Kent TN4 8BS
Tel: 0892 ~~24626~~ *5*
Promotion of the recovery of materials and energy from household waste.

WARREN SPRING LABORATORY
Gunnels Wood Road
Stevenage
Herts SG1 2BX
Tel: 0438 741122
DTI laboratory researching air pollution monitoring and abatement. DTI Environmental Enquiry point: Freephone 0800 585 794

WASTEWATCH *68 Grafton Way*
~~26 Bedford Square~~ *London W1P 5LE*
London WC1B 3HV
Tel: 071 ~~635 4066~~ *071 383 3320* *Wasteline*
National Agency for the promotion of recycling. *071 388 4277*

WATCH Trust for Environmental Education
~~22 The Green~~ *Witham Park*
Nettleham *Waterside South*
Lincoln LN2 2NR *LNS 5JR*
Tel: 0522 544400

WATT Committee on Energy
Savoy Hill House *40 Grosvenor Place*
Savoy Hill *SW1X 7AE*
London WC2R 0BU
Tel: 071 ~~379 6875~~ *071 235 2565*
Promotion of research and development on all aspects of energy.

WOMEN'S ENVIRONMENTAL NETWORK
Aberdeen Studio
22 Highbury Grove
London N5 2EA
071 354 8823

WOMEN'S GAS FEDERATION

Orchard House
14 Great Smith Street
London SW1P 3BU
Tel: 071 222 3677

**WORLDWIDE FUND FOR NATURE
(WWF)**

Panda House
Weyside Park
Godalming
Surrey GU7 1XR
Tel: 0483 426444

CLASSIFIED INDEX

Air Pollution

Atmospheric Research and
Information Centre
Climate Action Network
Department of the Environment
Department of the Environment -
Northern Ireland
Friends of the Earth
Friends of the Earth (Scotland)
Greenpeace Ltd
International Institute for
Environment & Development/
Earthscan
Investigation of Air Pollution Standing
Conference
Manchester Area Pollution Advisory
Council
Midland Joint Advisory Council for
Clean Air and Noise Control
Pesticides Trust
Warren Spring Laboratory
WATCH Trust for Environmental
Education
Worldwide Fund for Nature

Built Environment

Building Research Establishment
Civic Trust
Institution of Civil Engineers
London Hazards Centre
National Trust
Town and Country Planning
Association

Consumer Issues

Consumers Association
National Consumer Council

Countryside Conservation

Association for the Protection of
Rural Scotland
Conservation Trust
Council for the Protection of Rural
England
Council for the Protection of Rural
Wales
Countryside Commission
Countryside Commission for Scotland
Countryside Council for Wales
English Nature
National Trust
Nature Conservancy Council for
Scotland
Plantlife
Royal Society for Nature
Conservation
Royal Society for the Protection of
Birds
WATCH Trust for Environmental
Education
Worldwide Fund for Nature

Development

International Centre for Conservation
Education
International Institute for
Environment & Development
UK Centre for Economic &
Environmental Development

Energy

Association for the Conservation of Energy
 Association of British Solid Fuel Appliance Manufacturers
~~Atomic Energy Research Establishment~~
 British Coal
 British Gas plc
 British Nuclear Energy Society
 British Wind Energy Association
 Centre for Alternative Technology
 Coal Research Establishment
 Combined Heat and Power Association
 Combustion Engineering Association
 Department of Energy
 Domestic Solid Fuel Appliances Approval Scheme
 Energy Efficiency Office
 Energy Technology Support Unit
 Heating and Ventilating Contractors Association
 Institute of Energy
 Institute of Petroleum
 National Industrial Fuel Efficiency Service Ltd
 National Power
 National Radiological Protection Board
 Neighbourhood Energy Action
 Nuclear Electric plc
 Nuclear Industry Radioactive Waste Executive
 Powergen
 Society of British Gas Industries
 Solar Energy Society
 Solid Smokeless Fuels Federation
 UK Atomic Energy Authority
 UK Petroleum Industry Association
 Warmer Campaign (Warmth and Energy from Rubbish)
 WATT Committee on Energy
 Women's Gas Federation

Environmental Education

Centre for Alternative Technology
 Conservation Trust
 Council for Environmental Education
 International Centre for Conservation Education
 Scottish Environmental Education Council
 WATCH Trust for Environmental Education
 Worldwide Fund for Nature

Environmental Law

Centre for International Environmental Law
 Environmental Law Foundation
 UK Environmental Law Association

General Environmental

Environment Council
 Green Alliance
 Parliamentary and Scientific Committee

Health

Action on Smoking and Health
 Asthma Society
 British Lung Foundation
 Department of Health
 Health and Safety Commission
 Health and Safety Executive
 Health Education Authority
 Institution of Environmental Health Officers
 London Hazards Centre
 Pesticides Trust
 Royal Environmental Health Institute of Scotland
 Royal Institute of Public Health and Hygiene

Industrial

Asbestos Removal Contractors' Association
Association of British Solid Fuel Appliance Manufacturers
Association of Industrial Filter and Separator Manufacturers
BP Oil Ltd
British Coal
British Combustion Equipment Manufacturers' Association
British Gas plc
British Standards Institution
Combustion Engineering Association
Confederation of British Industry
Department of Trade and Industry
DTI Environmental Enquiry Point
Filtration Society
GAMBICA
Heating and Ventilating Contractors Association
HM Industrial Pollution Inspectorate for Scotland
HM Inspectorate of Pollution
HMIP North Division
HMIP Northern Ireland
HMIP West Division
Institution of Civil Engineers
Institution of Mechanical Engineers
Institution of Plant Engineers
Low Temperature Coal Distillers' Association of Great Britain
Motor Industry Research Association
National Industrial Fuel Efficiency Service Ltd
Society of British Gas Industries
Society of Environmental Engineers
UK Petroleum Industry Association

Local Government Organisations

Association of County Councils
Association of District Councils
Association of Metropolitan Authorities

Convention of Scottish Local Authorities
Institution of Environmental Health Officers
London Boroughs Association
Manchester Area Pollution Advisory Council
Midland Joint Advisory Council for Clean Air and Noise Control
Royal Environmental Health Institute of Scotland

Meteorology

Atmospheric Research and Information Centre
Climate Action Network
Meteorological Office
Royal Meteorological Society

Noise Pollution

Association for the Reduction of Aircraft Noise
Association of Noise Consultants
Department of the Environment
Institute of Acoustics
Institute of Sound & Vibration Research
Low Frequency Noise Sufferers Association
Midland Joint Advisory Council for Clean Air and Noise Control
Noise Abatement Society
Noise Council
Sound Research Laboratories
The Right to Peace & Quiet Campaign
UK Environmental Law Association

Pesticides

Ministry of Agriculture, Fisheries & Food
Pesticides Trust

Research

Atmospheric Research and
Information Centre
Asthma Society
British Lung Foundation
Building Research Establishment
Centre for Alternative Technology
Climate Action Network
Consumers Association
Earth Resources Research Ltd
Environmental Data Services Ltd
Institute for European Environmental
Policy
International Institute for
Environment & Development/
Earthscan
National Consumer Council
National Environment Research
Council
Royal Commission on Environmental
Pollution

Transport

Airfields Environment Federation
Association for the Reduction of
Aircraft Noise
British Cycling Federation
British Internal Combustion Engine
Research Institute Ltd
British Road Federation
Cycle Campaign Network
Cyclists Touring Club
Department of Transport
Electric Vehicle Development Group
Environmental Transport Association
Institute of Road Transport Engineers
Motor Industry Research Association
Transport and Road Research
Laboratory
Transport 2000
Society of Motor Manufacturers &
Traders

Waste/Recycling

Friends of the Earth
Friends of the Earth (Scotland)
Greenpeace Ltd
Industry Council for Packing and the
Environment
Institution of Wastes Management
London Waste Regulation Authority
National Association of Waste
Disposal Contractors
Nuclear Industry Radioactive Waste
Executive
Tidy Britain Group
Warmer Campaign (Warmth and
Energy from Rubbish)
Wastewatch

Water Pollution

Department of the Environment
Friends of the Earth
Friends of the Earth (Scotland)
Greenpeace Ltd
Marine Conservation Society
National Rivers Authority
Scottish River Purification Boards
Association
The Northern Ireland Water Council
WATCH Trust for Environmental
Education

INTERNATIONAL DIRECTORY

NATIONAL ORGANISATIONS

ARGENTINA

**Asociación Argentina Contra la
Contaminación Ambiental (AACCA)**
25 de Mayo 749 - 1° piso (1002)
Buenos Aires
Tel: (+54-1) 312-1015
President: J Carlos Decurnex

AUSTRALIA

**Clean Air Society of Australia
and New Zealand (CASANZ)**
PO Box 191
Eastwood, New South Wales 2122
Tel: (+62-1) 484 3563
Secretary: Dr J R Harry

BELGIUM

SCK/CEN Environmental Chemistry
Boeretang 200
B-2400 MOL
Belgium
Tel: (+32-14) 311801
Secretary: Dr. H.J. Peperstraete

BRAZIL

**Associacao Brasileira de Prevencao a Poluicao
do ar e Defesa do Meio Ambiente
(ABPPOLAR)**
~~PO Box 64 586~~ *Avenida Das Tres*
~~CEP 05497~~ *Poderes 303*
São Paulo *CEP 05514*
Brazil
~~Tel: (+55-11) 259 8253~~
President: Dr Randolpho M Lobato

CANADA

Environment Canada
Terrasses de la Chaudiere
10 Wellington Street
Ottawa, Ontario, KIA 0H3
Canada

CHINA

**Chinese Society of
Environmental Sciences (CSES)**
Xizhimennei Nanxiaojie 115
Beijing 100035
Tel: (+86-1) 602 1006
Secretary: Hou Xushong

C'WEALTH OF IND. STATES

**All Russian Society for
Conservation of Nature**
Proezd Kuibyshev 3
Moscow K-12

DENMARK

**Danish Association for the
Protection of Nature**
Noerregade 2
DK 1165 Copenhagen K

**Denmark National Environmental
Research Institute**
Thoravej 8
DK 24000
Copenhagen NV
Denmark

FINLAND

**Finnish Air Pollution Prevention
Society (FAPPS)**
PB 335
SF-00131 Helsinki
Tel: (+358-0) 1991367
Executive Member: Ms Eija Lumme

FRANCE

**Association pour la Prévention
de la Pollution Atmosphérique**
58 rue du Rocher, 75008 Paris
Tel: (+33-1) 42 93 69 30
President: M. Pierre Gaussens

GERMANY

**Kommission Reinhaltung der Luft
im VDI und DIN**
Postfach 1139
Graf-Recke-Str, 84
D-4000 Dusseldorf 1
Tel: (+49-211) 6214-532
Secretary: Dr. Ing. Klaus Grefen

GREECE

**Hellenic Association on Environmental
Pollution & Environmental Protection**
11 Olenou Street
4th Floor
113.62 Athens
Tel: (+30-1) 821894

HUNGARY

**National Authority for
Environment Protection and
Nature Conservation**
PO Box 732
H-1365 Budapest

ICELAND

**Icelandic Association of
Nature Conservation Societies**
Sundstraeti 24
Isafiroi

INDIA

**Indian Association for Air
Pollution Control (IAAPC)**
Vasant Kunj - 1347/BI
New Delhi 110030
Tel: (+91-11) 6893952

ISRAEL

**Israel Society for Ecology and Environmental
Sciences (ISEEQS)**
Department of Environmental Sciences
The Hebrew University
Jerusalem 91104
Tel: (+972-2) 636841
Chairman: Prof. Menachem Luria

ITALY

**Comitato di Studio per
l'Inquinamento Atmosferico (CSIA)**
within Associazione
Termotecnica Italiana (ATI)
c/o ISMAR, Via Assarotti 15/8
16122 Genova
Tel: (+39-10) 893922
President: Prof. G. Ferraiolo

JAPAN

**Japanese Union of Air Pollution
Prevention Associations (JUAPPA)**
c/o International Affairs Department
Industrial Pollution Control
Association of Japan
Hirokohji NDK Building 5th Floor
17-6 Ueno 1-chome
Taitoh-ku
Tokyo 110
Tel: (+81-3) 3832 7084

KOREA

**The Korea Air Pollution
Research Association**
280-17, Bulkwang-Dong
Eunpyung-Gu
Seoul 122-040
Tel: (+ 82-2) 3581427
Secretary: Mr Kang-Rae Cho

MALAYSIA

**Environmental Protection Society
Malaysia (EPSM)**
Peti Surat 382, Petaling Jaya
Tel: (+60-3) 7757767

MALTA

Society for Clean Air
8-10 Civic Centre, Senglea
Malta

MEXICO

Centro de Ciencias de la Atmosfera
Circuito Exterior
Ciudad Universitaria
CP 04510
Mexico 20 DF
Tel: (+52-5) 95 48 97 81
Secretary: Dr. Humberto Bravo

NETHERLANDS

**Society for Clean Air in
the Netherlands (CLAN)**
PO Box 186
2600 AD Delft
Tel: (+31-15) 696877
Secretary: Dr. J. van Ham

NEW ZEALAND

New Zealand Clean Air Society Inc.
PO Box 2363
Christchurch,

The Commissioner for the Environment
PO Box 10241
Wellington

NORWAY

**Norwegian Clean Air Association
(Ren Luft Foreningen - RLF)**
Kronprinsensgate 17
N-0251 Oslo 2
Tel: (+47-2) 838330
Secretary: Vigdis Ekeberg

PAKISTAN

Pollution Control Society of Sind
I-D, Ground Floor
Razia Commercial Centre
Nazimabad
Karachi-18
Tel: (+92-21) 624434/628139
President: Mr Mansoor R Zaidi

PAPUA NEW GUINEA

Dept. of Environment and Conservation
PO Box 6601
Boroko

PERU

**Asociación Peruana Contra la Contaminación
Atmosférica**
Casilla No. 14.0246
Lima 14
President: M.A. Vizcarra Andreu

PORTUGAL

**Secretaria do Estado do Ambiente
e Recursos Naturais**
Rua do Seculo, 51
1200 Lisboa. (Government Dept.)

SAUDI ARABIA

**Meteorology and Environmental
Protection Administration (MEPA)**
PO Box 1358
Jeddah 21431
Tel: (+966-2) 6512312
President: Abdulbar A. Al-Gain

SINGAPORE

**Environmental Engineering Society of
Singapore**
Clean Air Section
Kent Ridge, PO Box 1007
Singapore 9111
Prof. K.K. Chin/Dr. S.K. Chou

SOUTH AFRICA

National Association for Clean Air
PO Box 5777
Johannesburg 2000
Tel: (+27-11) 728 2418
Director: Gordon H. Grange

SWEDEN

**National Swedish Environment
Protection Board**
Box 1302
S-171 25 Solna

SWITZERLAND

**Schweiz. Vereinigung fur
Gesundheitstechnik (SVG)**
Postfach 305
CH-8035 Zurich
Tel: (+41-1) 7341096
Contact: W. Hess

TAIWAN

Environmental Protection Society
c/o Institute of Chemistry
Academia Sinica
Taipei, Taiwan 11529
Tel: (+886-2) 738 7730

TURKEY

**Environmental & Woodlands Protection
Society of Turkey**
Muhuradabagi Sokak
6 Kadikoy
Istanbul

USA

**Air and Waste Management Association
(AWMA)**
PO Box 2861
Pittsburgh
Pennsylvania 15230
Tel: (+1-412) 412 232 3444
Executive Vice President: Martin E. Rivers

YUGOSLAVIA

**Yugoslav Union of Air Pollution
Prevention Associations (YUAPPA)**
PO Box 79
71001 Sarajevo
Tel: (+38-71) 642071
Secretary: Dr. A. Knezevic

INTERNATIONAL ORGANISATIONS

Commission of the European Communities

Information Office
8 Storey's Gate
London SW1P 3AT
Tel: 071-973 1992

CONCAWE (Conservation of Clean Air and Water in Western Europe)

Madouplein 1
B1030 Brussels
Belgium
Tel: (+32-2) 222 03111

Council of Europe

Information Department
Palais de l'Europe
BP 431 R6
67006 Strasbourg Cedex
France
Tel: (+33) 88 61 49 61

European Environmental Bureau (EEB)

20 rue du Luxembourg
B-1040 Bruxelles
Belgium
Tel: (+32-2) 514 1250

European Parliament Information Office

2 Queen Anne's Gate
London SW1H 9AA
Tel: 071-222 0411

International Association on Water Pollution Research & Control (IAWPRC)

1 Queen Anne's Gate
London SW1H 9BT
Tel: 071 222 3848

Organisation for Economic Cooperation & Development (OECD)

2 rue Andre Pascal
75775 Paris Cedex 16
France
Tel: (+331) 45 24 82 00

The United Nations Economic Commission For Europe

Palais des Nations
CH-1211 Geneva 10
Switzerland
Tel: (+44 22) 985850

United Nations Environment Programme (UNEP)

Industry & Environment Office
Tour Mirabeau
39-43 quai Andre Citreon
75739 Paris
France
Tel: (+331) 45 78 33 33

UNEP, Nairobi

PO Box 30552
Nairobi
Kenya
Tel: +(2542) 333930

World Health Organisation

Division of Environmental Health
Avenue Appia
1211 Geneva 27
Switzerland
Tel: +(4122) 912111

Worldwatch Institute

1776 Massachusetts Avenue NW
Washington DC 20036
USA

Quality

SECTION 7

Guide to Pollution Control Equipment Manufacturers, Suppliers and Consultants Classified Entries

The following is a list of companies which manufacture or supply pollution control equipment and/or provide a consultancy service. Companies are listed in alphabetical order, with a classified index of specific services/products.

Inclusion of any company/product in the guide does not imply endorsement by NSCA.

AAF LTD

Bassington Lane
Cramlington
Northumberland NE23 8AF
Tel: 0670 713477
Fax: 0670 714370
Telex: 53491

Dust and fume control equipment including, wet collectors, fabric filters, cartridge filters, electrostatic precipitators and gas scrubbers. Major installations in iron and steel, fertiliser, pharmaceutical and chemical industries.

ABB FLAKT INDUSTRIAL LTD

Station Approach
Staines, Middlesex TW18 4HG
Tel: 0784 457221
Fax: 0784 450018

Provide systems for industrial drying, air pollution control, all flue gas desulphurisation processes, eg seawater scrubbing, spray dry, wet limestone/gypsum, incineration, complete air handling systems, project design and management, service and maintenance.

ABB KENT-TAYLOR LTD

Howard Road
Eaton Socon
St Neots
Huntingdon
Cambridgeshire PE19 3EU
Tel: 0480 75321
Fax: 0480 217948
Telex: 32676

Manufacturers of liquid and gas analysers including flue gas oxygen analysers. The company also manufactures a wide range of recorders, controllers, flow meters, level, pressure and humidity instrumentation.

ABBEY CRAFTSMEN LTD

PO Box 28
Liphook
Hants GU30 7UD
Tel: 0428 723654
Fax: 0428 725045

Manufacturers of directional dust gauges - a simple and reliable method of measuring pollution in the atmosphere. Useful at high wind speeds, the instrument measures the tendency of objects to become polluted in a dusty atmosphere.

ACOUSTICAL INVESTIGATION & RESEARCH ORGANISATION LTD (AIRO)

Duxons Turn
Maylands Avenue
Hemel Hempstead
Herts HP2 4SB
Tel: 0442 247146
Fax: 0442 256749

Independent consultancy and measurement services for any scale of project in the fields of acoustics and noise/vibration control. Expertise includes environmental assessments in relation to various noise sources, architectural acoustics and presentation of expert testimony. AIRO is also accredited as a NAMAS Testing Laboratory No 0483.

AEA ENVIRONMENT AND ENERGY

The Marketing Manager
AEA Environment & Energy
Harwell
Oxfordshire OX11 0RA
Tel: 0235 436306
Fax: 0235 436356
Telex: 83135

Established environmental consultancy with over 20 years experience of provid-

Building 10-11

10-11 Building

ing research, advice and technical services to public and private sector clients worldwide. Expertise covers all aspects of land, air and water pollution and multiskilled teams ensure an integrated approach to environmental and energy planning, policy and resource management.

AIR IMPROVEMENT CENTRE LTD

23 Denbigh Street
London SW1V 2HF
Tel: 071 834 2834
Fax: 071 821 8485

Specialist London stockist for all leading makes of air improvement products: air purifiers, mobile air conditioners, humidifiers, dehumidifiers and associated instruments. Free advisory service. Immediate delivery from stock.

AIRMASTER ENGINEERING LTD

New Olympia Works
Limewood Approach
Seacroft
Leeds LS14 1NG
Tel: 0532 733333
Fax: 0532 650735
Telex: 557227

Suppliers of dust extraction plants consisting of package units or tailor-made installations covering fully automatic or semi-automatic equipment.

AMBUCO PROCESS EQUIPMENT LTD

55 London Road
Raunds
Wellingborough
Northants NN9 6EH
Tel: 0933 624424
Fax: 0933 626400
Telex: 312305

Over 30 years experience in air pollution control systems; manufacturers of a wide range of equipment for dust and fume control including wet scrubbers, cyclones, multicyclones, fabric filters, close capture hoods and catalytic incineration systems for VOC emission control. Comprehensive consultancy service available with airflow and emission testing facilities.

ANACON CORPORATION LTD

Goodsons Industrial Mews
Wellington Street
Thame
Oxon OX9 3BX
Tel: 0844 260460
Fax: 0844 217220
Telex: 83424

Manufacturers of dust and gas detection and monitoring equipment.

THE ANALYTICAL DEVELOPMENT CO LTD

Pinder Road
Hoddesdon
Herts EN11 0AQ
Tel: 0992 469638
Fax: 0992 444567
Telex: 266952 ADC G

Specialists in the design and manufacture of infrared gas analysers and systems. These have been supplied for a wide variety of applications including stack gas analysis, landfill monitoring, indoor air quality, health and safety monitoring and environmental studies.

ANDERSEN INSTRUMENTS LTD

Unit 9
Orton Enterprise Centre
Bakewell Road
Orton Southgate
Peterborough PE2 0XU
Tel: 0733 391611
Fax: 0733 394956

A complete range of sampling equipment for the collection and measurement of ambient and stack particulates, pollutants and VOCs.

ASPINWALL & CO LTD

Walford Manor
Baschurch
Shrewsbury SY4 2HH
Tel: 0939 261144
Fax: 0939 261146

Independent UK consultancy which has specialised in environmental management for 20 years. Expertise embraces: environmental assessment; corporate environmental policy and advice; environmental audits/monitoring; waste management; contaminated land assessment/property development; water and effluent management; planning; market research; specialist software systems. Over 120 staff in UK and Hong Kong.

ASSOCIATED LABORATORY SERVICES LTD

Christy House
Church Lane
Bocking
Braintree
Essex CM7 5RX
Tel: 0376 28646
Fax: 0376 552923
Telex: 98166 BKITTO G

Consulting and analytical chemists. Sampling, monitoring and analysis of airborne fibres, particulates and solvents, as well as potable, industrial and waste water. Site investigation of contaminated and derelict land.

W S ATKINS ENVIRONMENT

Woodcote Grove
Ashley Road
Epsom
Surrey KT18 5BW
Tel: 0372 726140
Fax: 0372 740055
Telex: 266701

A comprehensive environmental consultancy service. This includes impact assessment, audit, waste management, landfill gas control and many other areas of environmental science, technology, planning and management. Long experience has resulted in a spectrum of high quality expertise to match clients' needs with the appropriate resources.

BASSAIRE LTD

Duncan Road
Swanwick
Southampton
Hants SO3 7ZS
Tel: 0489 885111
Fax: 0489 885211
Telex: 477605 BASAIR G

Clean room design and construction, and design and manufacture of comprehensive range of clean air products including laminar flow, biohazard and fume cabinets, all to relevant British Standards, American Federal Standards and UK GMP.

BCRA SCIENTIFIC & TECHNICAL SERVICES LTD

Mill Lane
Wingerworth
Chesterfield
Derbyshire S42 6NG
Tel: 0246 209654
Fax: 0246 272247
Telex: 547061 CB WING G

Independent environmental/fuel consultants: stack emission/general air pol-

lution measurement; COSHH assessment/monitoring; Environmental Protection Act audits; environmental impact evaluation; odour measurement/impact study; liquid effluent analysis; treatment plant design; trouble-shooting; maintenance services etc; analysis of PAHs, dioxins and pesticides.

BRUEL & KJAER (UK) LTD

Harrow Weald Lodge
86 Uxbridge Road
Harrow
Middlesex
Tel: 081 954 2366
Fax: 081 954 9504

Manufacture and sales of sound and vibration measurement equipment, gas analysers and stack monitoring equipment.

CASELLA LONDON LTD

Regent House
Wolseley Road
Kempston
Bedford MK42 7JY
Tel: 0234 841441
Fax: 0234 841490
Telex: 827707

Worldwide manufacturer and supplier of specialist instruments for air sampling, gas detection and noise monitoring; and meteorological measurement equipment from rainfall logging, humidity, pressure, temperature and sunshine monitoring instruments to weather stations and wind speed and direction systems.

CAVENDISH APPLIED TECHNOLOGY LTD

Unit 24
Clifton Road
Cambridge CB1 4ZD
Tel: 0223 210105
Fax: 0223 210712

Suppliers of equipment sensitive to traces of organic vapours in the atmosphere down to sub-ppm level. Suppliers of water pollution monitoring equipment based upon the photo-ionisation and electron capture detectors — detection to sub-ppb level.

CJB DEVELOPMENTS LTD

Airport Service Road
Portsmouth
Hants PO3 5PG
Tel: 0705 664911
Fax: 0705 697864
Telex: 86351

Design, manufacture and supply of VOC emission control and solvent vapour recovery plants.

CLAYTON ENVIRONMENTAL CONSULTANTS LTD

288 Windsor Street
Heartlands
Birmingham B7 4DW
Tel: 021 359 5951
Fax: 021 359 7606

Independent consulting services offered in the following areas: air monitoring, stack emission monitoring, environmental audits, occupational hygiene, asbestos management, contaminated land reclamation, sick building syndrome and laboratory analysis.

**CHRISTOPHER BETTS
CONSULTANCY**

Monkwood Green
Worcester WR2 6NX
Tel: 0886 888445
Fax: 0886 888782

An independent, professional practice of consulting and applied ecologists. Assignments undertaken have ranged from full environmental impact assessments to vegetation baseline surveys.

CMB ENGINEERING GROUP PLC

Chew Moor Lane
Westhoughton
Bolton BL5 3JL
Tel: 0942 815111
Fax: 0942 814953

A range of recuperative, regenerative and catalytic oxidisers reducing VOC emissions from process plant to meet legislative demands. Each system is tailored to provide the greatest energy efficiency — primary heat recovery for minimum fuel use and, where practical, secondary heat recovery to enable a possible return on capital investment.

CROWCON INSTRUMENTS LTD

2 Blacklands Way
Abingdon
Oxon OX14 1DY
Tel: 0235 553057
Fax: 0235 553062
Telex: 837688

Portable instruments and permanently installed systems for investigating the environment for toxic, flammable gases and oxygen.

DCE LTD

Humberstone Lane
Thurmaston
Leicester LE4 8HP
Tel: 0533 696161
Fax: 0533 693028
Telex: 342409

Manufacturers of dust control plant incorporating: unit dust collectors, reverse jet fabric filters, reverse jet sintered element filters. Full after sales services available.

**DONALDSON FILTER
COMPONENTS LTD**

Oslo Road
Sutton Field Industrial Estate
Hull HU8 0XN
Tel: 0482 835213
Fax: 0482 835411
Telex: 59786

Manufacturers of a diesel exhaust filter specifically designed to remove 99.4% of the diesel soot emitted from engines. Ideally suited for 2.5 ton diesel forklift trucks and other diesel engines used in an enclosed environment. Also supply diesel particulate traps for bus and truck applications.

DUSTCHECK LTD

Unit 2
China Street
Fenton
Stoke on Trent ST4 3NJ
Tel: 0782 599454
Fax: 0782 599478

Produce and market a range of dust collectors and air filters based on cartridge filter elements. Standard range of collectors range from 0.25m² to 840m² filter area. Special filters are also produced to clients application requirements.

DUSTRACTION LTD

PO Box 75
Mandervell Road
Oadby
Leicester LE2 5ND
Tel: 0533 713212
Fax: 0533 713215

Dust and fume control engineers.
Design, manufacture and install systems
to suit individual requirements.

**ECOTEC RESEARCH AND
CONSULTING LTD**

28-34 Albert Street
Birmingham B4 7UD
Tel: 021 616 1010
Fax: 021 616 1099

Independent consulting and research
services throughout Europe providing
specialist management, marketing and
investment services to the pollution con-
trol industry. Services include market
research; strategic planning; corporate
environmental management; mergers
and acquisitions. A subsidiary com-
pany, EXOTEC Investment Services
Ltd, offers investment research and
analysis and provides development cap-
ital to companies in the pollution control
and waste management industry.

E HARPER (YORK) LTD

Cleveland
Carr Lane
Sutton-on-the-Forest
York YO6 1EY
Tel: 0347 810677
Fax: 0347 810801

An independent company with exper-
tise in solving wet waste problems and
finding final disposal facilities for diffi-
cult and hazardous wastes economi-
cally. Waste reduction at source and on
site treatment equipment provided:

ultrafiltration, electrolysis and biologi-
cal. Deep sewer cleaning and confined
space work undertaken safely using the
latest equipment.

**ENVIRONMENTAL RESOURCES
LTD**

106 Gloucester Place
London W1H 3DB
Tel: 071 465 7200
Fax: 071 465 7250
Telex: 296 359 ERL G

An international consultancy employ-
ing 250 staff in various offices, including
specialists in air quality and pollution
control. Services incorporate impact
evaluations of new and existing plant on
air quality, including dust and odour,
and assistance with authorisations
under IPC legislation. Currently advis-
ing the DOE on ambient air quality
monitoring.

**ENVIRONMENTAL TECHNOLOGY
INDUSTRIAL SERVICES
ETCIS**

Department of Chemical Engineering
UMIST
PO Box 88
Sackville Street
Manchester M60 1QD
Tel: 061 200 3979
Fax: 061 200 3988
Telex: 666094 UMIST G

A consultancy long established within
UMIST, work ranging from on-site
sampling and analysis through desk
studies to research development and
demonstration projects in areas such as
air monitoring; water and waste water
treatment (physio-chemical and biolog-
ical treatability studies) contaminated
land investigations and risk assessment
of major hazards.

ERG (AIR POLLUTION CONTROL) LTD

Stephenson Way
Three Bridges
Crawley
West Sussex RH10 1TN
Tel: 0293 534751
Fax: 0295 541607

Manufacturers of turnkey systems for removal and control of air pollution from dust, fume and industrial odours; comprising cyclones, packed towers, impingement tray scrubbers, Venturi scrubbers, demisters, dust collectors, fume extraction systems; water treatment plant, inhouse effluent treatment equipment available.

ERWIN SICK OPTIC ELECTRONIC LTD

Waldkirch House
39 Hedley Road
St Albans
Herts AL1 5BN
Tel: 0727 831121
Fax: 0727 56767
Telex: 263631

Comprehensive range of in-situ instruments for the measurement of opacity, dust, SO₂, NO, O₂, CO and gas velocity to meet the requirements of the Environmental Protection Act. Also available are emission computers/loggers to process and store data according to legislation and environmental sensors for motorway and tunnel applications.

EVANS UNIVERSAL LTD

Millshaw
Leeds LS11 8EQ
Tel: 0532 711888
Fax: 0532 718188
Telex: 557885

A combustion engineering based company manufacturing in house designed incinerators and cremators to meet any environmental legislation. Incineration products are all complete with appropriate waste handling, heat recovery and gas clean up equipment and are designed to burn waste from hospitals, research and industrial sources.

FERGUSON & TIMPSON LTD

Thistle House
Selinas Lane
Dagenham
Essex RM8 1TB
Tel: 081 593 7611
Fax: 081 595 9241
Telex: 23371

Fluid sealing materials and products, flexible foams, noise control materials and acoustics enclosures, engineering maintenance products and protective clothing.

GOLDER ASSOCIATES (UK) LTD

54/70 Moorbridge Road
Maidenhead
Berkshire SL6 8BN
Tel: 0628 771731
Fax: 0628 770699
Branches: Nottingham and Swansea

Geotechnical and environmental engineering. Waste management including site assessment and investigations, landfill containment system design and restoration, soil and geosynthetic construction. Quality assurance and materials testing, leachate and landfill gas management, contaminated land remediation including cut-off walls and soil treatment design, groundwater monitoring.

**HALIFAX FAN MANUFACTURING
CO (INTERNATIONAL) LTD**

Mistral Works
Salterhebble
Halifax
West Yorkshire HX3 0PY
Tel: 0422 348321
Fax: 0422 348366

Manufacturers of industrial fans to a proven quality standard, approved to BS 5750 Part 1 and performance rated to BS 848 Part 1 1980. Specialists in the design of fans for the pollution control industry, suppliers and consultants.

HORIBA INSTRUMENTS LTD

1 Harrowden Road
Brackmills
Northampton NW4 0EB
Tel: 0604 765171
Fax: 0604 765175
Telex: 311869

Manufacturers of a wide range of instrumentation for the measurement of liquid and airborne pollution.

THE INCINERATOR CO LTD

Howard Road
Eaton Socon
St Neots
Huntingdon
Cambs PE19 3ER
Tel: 0480 213171
Fax: 0480 405333
Telex: 32337

Manufacturers of incinerators for the destruction of clinical waste, general waste, security waste, and cremators. All units manufactured to conform to the latest emission standards. Turnkey project including supply and commissioning of gas washing equipment, waste heat boilers and associated incineration plant.

**INSPECTORATE
ENVIRONMENTAL LTD**

(Formerly Casella Environmental Ltd)
Belmont House
Vicarage Road
Edgbaston
Birmingham B15 3EZ
Tel: 021 454 9922
Fax: 021 454 1881
Telex: 73346

International environmental consultants and laboratory service for atmospheric and water quality, investigation of contaminated land, environmental auditing and assessment, waste management, drilling contractors, environmental policy, occupational hygiene, asbestos management and training courses; laboratory services include chemical, microbiological and geotechnical analysis and testing in central or mobile laboratories.

INTERFILTA (UK) LTD

Farrington Road
Burnley
Lancs BB11 5SY
Tel: 0282 413131
Fax: 0282 21380

Manufacturers of industrial replacement air filters for air conditioning systems on the Primary and Secondary ranges from EU1 to EU9 covering panels, pads, rolls, bags and cartridge filters. HEPA filters to EU10 and EU14, both deep pleat and mini-pleat for clean room and bench applications.

KANE-MAY LTD

Swallowfield
Welwyn Garden City
Herts AL7 1JP
Tel: 0707 331051
Fax: 0707 331202
Telex: 929117 KANE G

Manufacturers of electronic, digital, measurement instruments, including handheld thermometers, airflow, pH, pressure and humidity meters. There are also full ranges of infra-red, non-contact thermometers for building management and combustion gas analysers for boiler efficiency and environmental control, covering most fuels and exhaust gases.

LAND COMBUSTION

Division of Land Instrument International

Dronfield

Sheffield S18 6DJ

Tel: 0246 417691

Fax: 0246 290274

Telex: 547360

Instrumentation for combustion and emissions monitoring including: non sampling instruments for boiler efficiency; CO monitors; oxygen monitors; heat transfer. For environmental monitoring NO_x, SO₂, dust, portable flue gas monitors. For safety in boilers, flame monitoring.

LODGE STURTEVANT LTD

Turnbridge

Huddersfield HD1 6RB

Tel: 0484 420303

Fax: 0484 422668

Telex: 51306

Suppliers of a range of atmospheric pollution control plant including electrostatic precipitators, gas scrubbing systems, fabric filters and cyclones. Plant is also available for the removal of hydrogen sulphide from fuel gases. Another area of activity is the production of compost and energy from municipal waste.

LUCAS CEL INSTRUMENTS LTD

35-37 Bury Mead Road

Hitchin

Herts SG5 1RT

Tel: 0462 422411

Fax: 0462 422511

Telex: 826615 CEL G

Manufacturers of a wide range of noise measurement instrumentation including both Type 1 and 2 Sound Level Meters, noise dosimeters, acoustic calibrators, microphones, software and allied equipment. In addition CEL offer full service and maintenance contracts as well as a series of training courses on noise monitoring and control.

METRA MARTECH LTD

Glenthorne House

Hammersmith Grove

London W6 0LG

Tel: 081 563 0666

Fax: 081 563 0040

Activities include: helping sort out marketing structures for the Single European Market; total quality and customer satisfaction programmes; assessing demand for new technologies, taking research into commercialisation, expertise in air and water quality; European Technology Directories. Work is based on market research, advice, and recommendations for action.

MORGANITE ELECTRONIC INSTRUMENTS LTD

"L" Building

Glase Road

Morrison

Swansea SA6 8PP

Tel: 0792 700018

Fax: 0792 310644

Telex: 48280 MORGAN G

BS5750 Approved. Manufacturer of portable toxic and flammable gas monitors.

NEATWORLD LTD

179 Tottenham Lane *Colinwood Hse*
Crouch End *Allington Road*
London N8 9DN *Admiral Court*
Tel: 081 341 9556 *Indust. Estate*
Fax: 081 340 3335 *St. Nechts. Cambs.*
PE19. 2XX

Suppliers of a comprehensive range of waste handling equipment specialising in industrial shredders and macerators. The minimisation and recycling of waste is not only of benefit but also lessens the burden on landfill sites and the environment.

NEDERMAN LTD

PO Box 503
91 Walton Summit
Bamber Bridge
Preston PR5 8AF
Tel: 0772 34721
Fax: 0772 315273
Telex: 67689

Specialists in fume and dust extraction 'at source'. Equipment for most industrial applications including welding fumes, COSHH assessment service for LEV applications and complete installation and maintenance service available.

NEGRETTI AUTOMATION LTD

Stocklake
Aylesbury
Bucks HP20 1DR
Tel: 0296 395931
Fax: 0296 86400
Telex: 83285 (NEGZAMG)

Manufacturer and supplier of personal and static air samplers for dust, fume, vapour, gas and other airborne particles.

Distributor of noise monitors. Laboratory analysis services for dusts and gases. Manufacturer of industrial process control and weighing systems.

NEOTRONICS LTD

Parsonage Road
Takeley
Bishop's Stortford
Herts CM22 6PU
Tel: 0279 870182
Fax: 0279 870377
Telex: 817126

Specialists in gas monitoring instrumentation for energy conservation, personal safety and process measurement and control applications; combustion efficiency monitors provide the means to run heat generating systems at optimum burn and reduce toxic emissions.

NEW AIR TECHNICAL SERVICES LTD

Winchester Avenue
Blaby Industrial Park
Blaby
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Ambuco Process Equipment Ltd

New Air Technical Services Ltd

HEAT EXCHANGERS

ABB Flakt Industrial Ltd

HEAT TRANSFER SYSTEMS

ABB Flakt Industrial Ltd

Land Combustion

HUMIDIFIERS

Air Improvement Centre Ltd

HUMIDITY CONTROLLERS

Air Improvement Centre Ltd

HUMIDITY RECORDERS

ABB Kent-Taylor Ltd

Air Improvement Centre Ltd

Kane-May Ltd

Sabre Gas Detection

INCINERATORS

CJB Developments Ltd

Evans Universal Ltd

Incinerator Co Ltd

INDICATORS: FLOW

ABB Kent-Taylor Ltd

INDICATORS: HUMIDITY

ABB Kent-Taylor Ltd

Sabre Gas Detection

INDICATORS: pH

ABB Kent-Taylor Ltd

Rosemount Ltd

INDICATORS: SMOKE DENSITY

Pollution Control & Measurement

(Europe) Ltd

INDICATORS: SOUND LEVEL

Lucas CEL Instruments Ltd

Negretti Automation Ltd

INDOOR AIR QUALITY

O'Heal

**INSTRUMENTS: GAUGES,
METERS, ETC**

Kane-May Ltd

Lucas CEL Instruments Ltd

Sabre Gas Detection

**KITS: ANALYSIS, TESTING AND
SAMPLING**

Sabre Gas Detection

SKC Ltd

LABORATORY FUME CABINETS

Bassaire Ltd

LABORATORY INSTALLATIONS

Bassaire Ltd

LAMINAR FLOW EQUIPMENT

Bassaire Ltd

LEAK DETECTORS

Analytical Development Co Ltd

Morganite Electronic Instruments Ltd

Pollution Control & Measurement

(Europe) Ltd

Quantitech Ltd

Research Engineers Ltd

Sabre Gas Detection

**MEASUREMENT AND
DETECTION EQUIPMENT**

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Land Combustion

Morganite Electronic Instruments Ltd

Rosemount Ltd

Sabre Gas Detection

MECHANICAL COLLECTORS

ABB Flakt Industrial Ltd

**METEOROLOGICAL
INSTRUMENTS**

Thermo Electron Ltd

Vaisala (UK) Ltd

METEOROLOGICAL STATIONS

Inspectorate Environmental Ltd

Vaisala (UK) Ltd

MOBILE LABORATORIES

Horiba Instruments Ltd

Inspectorate Environmental Ltd

Rotork Analysis Ltd
Thermo Electron Ltd

MONITORING EQUIPMENT

Bruel & Kjaer (UK) Ltd
Morganite Electronic Instruments Ltd
Pollution Control & Measurement
(Europe) Ltd
Quantitech Ltd
Rosemount Ltd
Sabre Gas Detection
Thermo Electron Ltd

NAMAS TESTING LABORATORIES

Acoustical Investigation & Research
Organisation Ltd

NOISE CONTROL MATERIALS

Ferguson & Timpson Ltd

NOISE/VIBRATION: ANALYSIS

Acoustical Investigation & Research
Organisation Ltd
Bruel & Kjaer (UK) Ltd
Lucas CEL Instruments Ltd
Quantitech Ltd
Technica Ltd

NOISE/VIBRATION: MEASURING EQUIPMENT

Bruel & Kjaer (UK) Ltd
Lucas CEL Instruments Ltd
Negretti Automation Ltd
Quantitech Ltd

NO_x ANALYSERS

Erwin Sick Optic Electronic Ltd

ODOUR ABSORPTION

AAF Ltd
ABB Flakt Industrial Ltd
ERG (Air Pollution Control) Ltd
Rigidon (UK) Ltd
Sutcliffe Croftshaw Ltd

ODOUR CONTROL

ABB Flakt Industrial Ltd
Inspectorate Environmental Ltd
Rigidon (UK) Ltd
Dr F H H Valentin

OIL MIST ELIMINATORS

AAF Ltd
ABB Flakt Industrial Ltd

Ovens: INDUSTRIAL

ABB Flakt Industrial Ltd

PARTICLE SIZE ANALYSIS FACILITIES

Andersen Instruments Ltd
Inspectorate Environmental Ltd

pH APPARATUS

Horiba Instruments Ltd
Kane-May Ltd
Rosemount Ltd

POLLUTION CONTROL ADVISORY SERVICES

AAF Ltd
Environmental Technology Industrial
Services
Inspectorate Environmental Ltd
Technica Ltd
Travers Morgan Consulting Group
Wardell Armstrong

POLLUTION MONITORING: EQUIPMENT HIRE

Inspectorate Environmental Ltd
Negretti Automation Ltd
Pollution Control & Measurement
(Europe) Ltd
Rotork Analysis Ltd
Thermo Electron Ltd

PROCESS INSTRUMENTATION

Pollution Control & Measurement
(Europe) Ltd
Rosemount Ltd

PUMPS

Sabre Gas Detection

RADIATION DETECTION AND MONITORING

Inspectorate Environmental Ltd

— Thermo Electron Ltd

RECOVERY PLANT

CJB Developments Ltd

Sutcliffe Croftshaw Ltd

RESEARCH AND DEVELOPMENT FACILITIES

ABB Flakt Industrial Ltd

RESPIRATORS

Sabre Gas Detection

ROOF VENTILATORS

O'Heal

SCRUBBERS

AAF Ltd

ABB Flakt Industrial Ltd

Ambuco Process Equipment Ltd

Dustraction Ltd

ERG (Air Pollution Control) Ltd

Lodge Sturtevant Ltd

Rigidon (UK) Ltd

SEPARATORS: GASES

ABB Flakt Industrial Ltd

SICK BUILDING SYNDROME

O'Heal

SILENCERS

Dustraction Ltd

SITE INVESTIGATION

Associated Laboratory Services Ltd

BCRA Scientific & Technical Services Ltd

Clayton Environmental Consultants Ltd

Dustraction Ltd

Environmental Resources Ltd

Golder Associates (UK) Ltd

Inspectorate Environmental Ltd

Technica Ltd

Thomson Laboratories

SLEEVES AND TUBES (for Fabric Filters)

Dustraction Ltd

P & S Filtration Ltd

SOLVENT RECOVERY PLANT

AAF Ltd

CJB Developments Ltd

Sutcliffe Croftshaw Ltd

SPECTROMETERS

Thermo Electron Ltd

STACK EMISSIONS: MONITORING EQUIPMENT

Analytical Development Co Ltd

Andersen Instruments Ltd

Bruel & Kjaer (UK) Ltd

Cavendish Applied Technology Ltd

Environmental Technology Industrial Services

Erwin Sick Optic Electronic Ltd

Horiba Instruments Ltd

Research Engineers Ltd

Rosemount Ltd

Rotork Analysis Ltd

Telegan Ltd

— Thermo Electron Ltd

SULPHUR DIOXIDE REMOVAL SYSTEMS

ABB Flakt Industrial Ltd

Erwin Sick Optic Electronic Ltd

TEMPERATURE RECORDERS

ABB Kent-Taylor Ltd

Kane-May Ltd

Negretti Automation Ltd

Sabre Gas Detection

**THERMOMETERS, INDICATORS,
etc**

Negretti Automation Ltd

TRAINING COURSES

Inspectorate Environmental Ltd

Lucas CEL Instruments Ltd

O'Heal

UNIT DUST COLLECTORS

AAF Ltd

DCE Ltd

Dustraction Ltd

Nederman Ltd

New Air Technical Services Ltd

United Air Specialists (UK) Ltd

VACUUM CLEANERS:

INDUSTRIAL

New Air Technical Services Ltd

**VACUUM PUMPS AND
EQUIPMENT**

Nederman Ltd

VENTILATORS

ABB Flakt Industrial Ltd

Nederman Ltd

VENTURI SCRUBBERS

AAF Ltd

ABB Flakt Industrial Ltd

Ambuco Process Equipment Ltd

Dustraction Ltd

ERG (Air Pollution Control) Ltd

Lodge Sturtevant Ltd

Rigidon (UK) Ltd

WASHERS: AIR OR GAS

Lodge Sturtevant Ltd

WASTE DISPOSAL EQUIPMENT

Lodge Sturtevant Ltd

Neatworld Ltd

WASTE DISPOSAL SPECIALISTS

E Harper (York) Ltd

Inspectorate Environmental Ltd

WASTE HEAT RECOVERY

ABB Flakt Industrial Ltd

WASTE PURIFICATION

BCRA Scientific & Technical Services
Ltd

WATER TREATMENT PLANT

ERG (Air Pollution Control) Ltd

WET ARRESTORS

AAF Ltd

Dustraction Ltd

New Air Technical Services Ltd

Rigidon (UK) Ltd

Visco Ltd

WIND SPEED/WIND DIRECTION

Vaisala (UK) Ltd

National Society for Clean Air
136 North Street
Brighton
Sussex
BN1 1RG



Foundation for
International
Environmental
Law and
Development

31st October 1992

*Check
Handbook address list*

Dear Colleagues,

We are writing to let you know that the Centre for International Environmental Law has changed its name to the Foundation for International Environmental Law and Development (FIELD). The change has taken place with effect from 1 June 1992.

The main reasons for the name change are to end any confusion there may be between us and any other organisation of the same name and to adopt a name which reflects more closely our work and our aspirations. We believe that the new name FIELD encapsulates the full range of our work and highlights the link between protecting the environment and encouraging sustainable development.

We are pleased to adopt this change of name at a time when the organization goes from strength to strength. At a time of recession our financial support continues to grow significantly, whilst our focus becomes more finely tuned to the four key areas we consider to be of prime importance in the coming years:

Climate and Energy;
Trade and Environment;
Marine Living Resources;
Access to Justice.

FIELD remains committed to being a progressive, independent and professional organisation with a continued emphasis on output of sustained, high quality international legal work concerning international law relating to the environment and sustainable development.

We have pleasure in enclosing a brochure which describes our current and future work and information about our new journal (RECIEL) and other publications.

Yours sincerely,

LRands

pp James Cameron and Philippe Sands
Directors of FIELD

LONDON
NEW YORK
PARIS

King's College London
Manresa Road
London SW3 6LX
United Kingdom
Tel 44+71+352 8123
Fax 44+71+351 6435

Registered Company No 2463462
Registered Charity No 802934

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United Kingdom

Tel 44+71+352 8123

Fax 44+71+351 6435

Registered Company No 2463462

Registered Charity No 802934

Please pass to your
Information department.

M. H. H. H.

**WASTE
WATCH**

68 Grafton Way
London
W1P 5LE

Telephone: 071-383 3320
Facsimile: 071-383 3364



In January 1993 Waste Watch will be launching

WASTELINE

- a telephone-based advice and information service
for enquiries about waste reduction, re-use and recycling.

WASTELINE will have an independent telephone number:

071 388 4277

and will be open from 10am to 6pm Monday to Friday

WASTELINE will handle both telephone and postal enquiries, covering mainly, but not exclusively, household waste issues.

The heart of WASTELINE will be a computer database, using the information in the Waste Watch National Directory of Recycling Information. There will also be a series of information sheets, with additional material being drawn from the Waste Watch library.

WASTELINE is funded by the Department of Environment and private sector sources.

Waste Watch promotes and supports action on waste reduction, re-use and recycling. It works with community groups, voluntary organisations and local authorities, providing practical support for local action. At national level, Waste Watch works to persuade industry and Government to encourage and support waste reduction and recycling.



Waste Watch is sponsored by Shell UK Limited
and the Department of the Environment



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Sylvancoat recycled paper

Waste Watch is the national agency for the promotion and development of action on waste reduction and recycling.
President: Baroness Hooper. Vice Presidents: Baroness Nicol, Sir Peter Harrop, Simon Hughes MP,
Chairman: Jeff Cooper. Director: Jo Gordon.

0078 027 129

*Please pass to your
Information department.*

Murphy H/bk

WASTE WATCH

68 Grafton Way
London
W1P 5LE

Telephone: 071-383 3320
Facsimile: 071-383 3364



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nsca

1993 MEMBERS HANDBOOK

national society for clean air
and environmental protection



1993

MEMBERS HANDBOOK

ISSN 0140-6787

Printed on recycled paper and published in Great Britain by
The National Society for Clean Air and Environmental Protection
136 North Street - Brighton BN1 1RG

Telephone: 0273 326313

Fax: 0273 735802



ENVIRONMENTAL PROTECTION 1993
ANNUAL CONFERENCE AND EXHIBITION
BRIGHTON
4 - 7 OCTOBER 1993

The 60th Annual Conference and Environmental Protection Exhibition will be held in the new East Wing of the Brighton Conference Centre.

Each year the Conference addresses a wide range of environmental issues, covering the fields of air pollution, noise, waste disposal, energy policy and more.

For conference information contact

National Society for Clean Air and Environmental Protection

136 North Street - Brighton BN1 1RG

Tel: 0273 326313

Fax: 0273 735802

For exhibition information contact

Westrade Fairs

28 Church Street - Rickmansworth WD3 1DP

Tel: 0923 778311

Fax: 0923 776820

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NSCA STAFF

SECRETARY GENERAL - Dr. R.N. (Tom) Crossett

ADMINISTRATION

Administration Manager - Peter J. Mitchell

Secretarial Services and Committee Administration - Wendy Messer

Membership, Sales and Conference Registrations - Kathy Lennon

EDITORIAL and INFORMATION

Editor - Loveday Murley

Information and Public Relations - Tim Brown

Assistant Information Officer/Assistant Editor - Mary Stevens

Administrative Assistant - Sally May

Administration/Public Relations Officer - Scottish Division - Clare Carruthers

NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

NSCA is a non-governmental organisation and a registered charity. Its origins date back to the Coal Smoke Abatement Society founded in 1899. In the past decade the interests of the Society have expanded considerably and its work now covers all aspects of air and noise pollution as well as waste.

AIMS

NSCA aims to secure environmental improvement through the reduction of air pollution, noise and other contaminants, while having due regard for other aspects of the environment. NSCA advances the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention. The Society is funded by members' subscriptions, donations and monies raised by activities.

MEMBERSHIP

The members of NSCA are private individuals, local authorities, educational establishments, professional institutions and the fuel and other industries.

ORGANISATION

The elected Council is the Society's governing body and an administrative staff headed by the Secretary General is employed. The Society is divided into geographical divisions which organise meetings and activities at a regional level. There are five national committees of nominated members and co-opted specialists. Working groups are set up to consider specific issues as the need arises.

POLICY

The Society is recognised nationally and internationally for its balanced arguments, response to issues, integrity and promotion of public education. Policy discussion and formulation is initiated by NSCA Divisions and at the annual conference as well as within the governing Council. Policy details are evolved by the appropriate standing committee.

ACTVITIES

NSCA makes representations to government, other authorities and agencies and industry on all matters relating to air pollution, noise, waste and other environmental issues. This includes the drafting of legislation and standards, technical matters and local and national issues. NSCA organises conferences and workshops, produces a wide range of information and educational publications and regular briefings on current issues.

INFORMATION AND PUBLICATIONS

The Society has an extensive library and its information department, which is part funded by the Department of Environment, provides a service to both members and to the public. Publications include a range of leaflets covering current issues and legislation, the annual Pollution Handbook and quarterly journal Clean Air; NSCA also publishes the papers presented at its annual conference, technical papers and occasional reports and surveys.

HONORARY OFFICERS

President

THE BARONESS PLATT OF WRITTLE, CBE, DL, FEng

Immediate Past President

SIR JOHN MASON, CB, DSc, FRS

Vice Presidents

KEN COLLINS, MEP

THE RT HON THE EARL OF CRANBROOK

JOHN EDMONDS

DR. CAROLINE JACKSON, MEP

ROBERT B. JONES, MP

AIR CDRE JOHN LANGSTON, CBE

THE RT HON LORD NATHAN

SIR HUGH ROSSI

MADRON R. SELIGMAN, BA, MEP

JOHN SPEIRS

GARETH WARDELL, MP

PROFESSOR SIR DAVID WILLIAMS

Honorary Treasurer

B.H. EDWICK

Chairman of Council

PROF J.S. HARRISON,

BSc, DLC, FRSC, FInstE, FInstChemEng, CChem, CEng

Deputy Chairmen

K.G. KAUFMAN, MIEH

CLLR. DR. J.R.P. EVANS, MEd, MBIM, ACP, LRSC, PhD

Immediate Past Chairman

CLLR. MRS. E. J. INGLEFIELD, BA, RGN

ELECTED REPRESENTATIVES FROM NSCA DIVISIONS

SCOTLAND - 3 Representatives

Mr. C. MacDonald - Cllr. D. Munn - Mr. K. Thomas

NORTHERN IRELAND - 1 Representative

Mr. M. Fleming

NORTHERN - 4 Representatives

Mr. K. Atkinson - Mr. J.A. Mann - Cllr. L. Poole - Cllr. T.W. Yellowley

NORTH WEST - 7 Representatives

Cllr. T. Jones - Mr. K.G. Kaufman - Mr. I.R. Liversidge - Mr. K. Roberts -
Mr. J.B. Simpson - Cllr. J.M. Smith - Mr. R.N. Turner

YORKSHIRE AND HUMBERSIDE - 4 Representatives

Cllr. J.M. Bramley - Mr. S.G. Carden - Cllr. J. Carr - Cllr. G.M. McDade

WEST MIDLANDS - 3 Representatives

Mr. G. Colling - Mr. T. Townsend (1 vacancy)

EAST MIDLANDS - 5 Representatives

Mr. R.S. Chamberlain - Mr. K.R. Enderby - Mr. F. Haynes - Cllr. Mrs. E.J. Inglefield -
Cllr. R.F. Ogilvie

SOUTH EAST - 9 Representatives

Dr. R. Barnes - Mr. J.J. Beagle - Mr. J.H. Boddy - Mr. P. Cooney - Mr. S. Hickmott -
Mr. P. Legge - Mrs. E.M.L. Naylor - Mr. A.J. Rees - Dr. M.J.R. Schwar -
Professor R.S. Scorer - Mr. F.J. Smith - Cllr. Mrs. B.J. Solkhon

SOUTH WEST - 4 Representatives

Mr. H. Dawson - Mr. K. Horton - Cllr. Mrs. J.I. James - Mr. H. Nowell

SOUTH AND MID WALES - 4 Representatives

Cllr. Dr. J.R.P. Evans - Mr. T. Jones - Cllr. H.I. Thomas - Mr. R. West

APPOINTED REPRESENTATIVES OF NATIONAL BODIES

British Coal - Prof. J.S. Harrison

British Gas - Dr. F.E. Shephard

British Steel - Mr. D.A. Harrison

UK Centre for Economic and Environmental Development - Mr. D.R. Cope

Institution of Environmental Health Officers, The - Mr. A. Taylor

Institution of Gas Engineers, The - vacant

Low Temperature Coal Distillers Association - Mr. N.M. Ross

National Power - Dr. N.A. Burdett

PowerGen - Mr. G.W. Barrett

Solid Smokeless Fuels Federation - Mr. I. MacKay

STANDING COMMITTEES

The President, Hon. Treasurer, Chairman, Deputy Chairmen and Immediate Past Chairman are all ex-officio members of all five Standing Committees.

Finance and Administration Committee

Cllr. Dr. J.R. P. Evans (Chairman) - Mr. I.R. Liversidge - Cllr. G.M. McDade -
Cllr. D. Munn - Mr. H.R. Nowell - Cllr. T.W. Yellowley
Chairman, Conference and Promotions Committee - Cllr. Mrs. B.J. Solkhon
Chairman, National Noise Committee - Mr. H. Dawson
Chairman, Parliamentary and Local Government Committee - Mr. T. Jones
Chairman, Technical Committee - vacant
Co-opted - Cllr. L. Poole.

Conference and Promotions Committee

Cllr. J.M. Bramley - Mr. R.S. Chamberlain - Mr. K.R. Enderby - Cllr. Mrs. J.I. James -
Cllr. T. Jones - Cllr. D. Munn - Mrs. E.M.L. Naylor - Cllr. R.F. Ogilvie - Cllr. L. Poole -
Mr. F.J. Smith - Cllr. Mrs. B.J. Solkhon - Cllr. H.I. Thomas
Co-opted - Mr. P. Cooney - Mr. I. MacKay - Mr. H. Phillips.

National Noise Committee

Mr. K. Atkinson - Mr. G.W. Barrett - Mr. J.J. Beagle - Mr. G. Colling - Mr. H. Dawson -
Mr. P. Legge - Cllr. L. Poole - Mr. A.J. Rees - Mr. K. Thomas
Co-opted - Mr. R. Crosby - Mr. J. Evans - Dr. L. Fothergill - Mr. P.T. Freeborn - Mr.
A.J. Gibson - Mr. J. Hinton - Mr. D.R. Romaine - Mr. G.H. Vulkan.

Parliamentary and Local Government Committee

Mr. S.G. Carden - Cllr. J. Carr - Mr. P. Cooney - Mr. S. Hickmott - Mr. K. Horton -
Mr. T. Jones - Mr. C. MacDonald - Mr. I. MacKay - Mr. J.A. Mann - Mr. A.J. Rees -
Mr. N.M. Ross - Dr. F.E. Shephard - Cllr. J.M. Smith - Mr. A. Taylor -
Mr. T. Townsend - Mr. R.N. Turner
Co-opted - Cllr. L. Poole - Mr. T. Hams.

Technical Committee

Dr. R.A. Barnes - Mr. G.W. Barrett - Mr. J.J. Beagle - Mr. J.H. Boddy - Dr. N.A. Burdett -
Mr. G. Colling - Mr. D.R. Cope - Mr. D.A. Harrison - Mr. P. Legge - Mr. C. MacDonald -
Mr. K. Roberts - Professor R.S. Scorer - Mr. J.B. Simpson - Mr. R. West
Co-opted - Dr. R.S. Barrett - Mr. W.A. Bell - Mr. A.H. Brown - Mr. S.G. Carden -
Prof. M. Fox - Dr. K. Gregory - Dr. D. Laxen - Dr. D. Lee - Mr. B. Lees - Cllr. L. Poole -
Mr. P. Sage - Mr. M.F. Tunnicliffe - Mr. R.N. Turner - Mr. R.E. Waller.

WHO'S WHO 1992-3

PRESIDENT, VICE-PRESIDENTS AND HONORARY OFFICERS

BARONESS PLATT OF WRITTLE, CBE, DL, MA, F Eng, President of the National



Society for Clean Air & Environmental Protection was educated at Westcliff High School for Girls and Girton College, Cambridge, where she obtained a Mechanical Sciences Tripos in 1943. She then worked for Hawker Aircraft as a technical assistant for three years before joining the Research and Development Section of British European Airways. Among her many appointments, Baroness Platt is currently a member of the Board of British Gas. She has been President of the Cambridge University Engineers Association since 1987, and was Chairman of the Equal Opportunities Commission from 1983-88. In 1982 Baroness Platt became a member of the House of Lords Select Committee on Science and Tech-

nology and in 1992 a member of the Meteorological Office Advisory Committee. Baroness Platt was elected to Chelmsford RDC in 1959 and to Essex CC in 1965. She has been an Honorary Member of Arlington Fire Brigade (USA) since 1988. Baroness Platt received the CBE in 1978 and was created a Life Peer in 1981.

SIR JOHN MASON, CB, DSc, FRS, Immediate Past President of the Society, is currently President of UMIST, and Senior Advisor to the Global Environment Research Centre, Imperial College. He was Director-General of the Meteorological Office from 1965-1983. From 1983-90 he was Director of the Surface Waters Acidification Programme. He has recently been Chairman of the Scientific Management Committee of the World Climate Research Programme and Chairman of the Coordinating Committee on Marine Science and Technology. He was awarded the Charles Chree medal and Prize of the Physical Society (1965), the Glazebrook Medal of the Institute (1974), and the Rumford Medal of the Royal Society (1972) for his discoveries on clouds, rain, and the origin of lightning, on which he delivered the Bakerian Lecture of the Royal Society in 1971. He was awarded the Symons Memorial Gold Medal of the Royal Meteorological Society (1975). He was created CB in 1973 and knighted in 1979. In 1991 he received the Royal Society's Royal Medal for his distinguished contributions to the science of cloud physics and other achievements in the field of meteorology.

KEN COLLINS, MEP, Vice-President of the Society, was educated at Hamilton Academy, the University of Glasgow and Strathclyde University. He was for three years an apprentice metallurgist with Dalzell steelworks, Motherwell, before attending university. Subsequently, he worked as a Planning Officer with Glasgow and then West Yorkshire (1965-1966); organiser tutor, Workers Educational Association (1966-1967); teacher, Glasgow College of Building 1967-1969 and Lecturer in Urban Studies, Paisley College of Technol-

10 Biographies - Vice-Presidents

ogy 1969-1979. He has been an MEP since 1979. He was a Member of East Kilbride Town and District Councils 1973-1979, and a Board Member, East Kilbride Development Corporation 1976-1979. Ken Collins was a Spokesman on Environment, Public Health and Consumer Protection for the Socialist Group of the European Parliament (1984-1989). He was elected Chairman of the European Parliament's Committee on the Environment, Public Health and Consumer Protection in July 1989, having formerly been the Committee's Chairman from 1979-1984 and Vice-Chairman from 1984-87.

THE RT HON THE EARL OF CRANBROOK, MA, PhD, DSc(Hon), DL, Vice President of the Society, is a graduate of the Universities of Cambridge and Birmingham. From 1956-1970, he was employed as a biologist in several posts in SE Asia. Lord Cranbrook was appointed to the Nature Conservancy Council in 1990, and Chairman of English Nature in 1991. He was a member of the Royal Commission on Environmental Pollution 1981-92, the Natural Environment Research Council 1982-88, and the Environment Subcommittee, House of Lords Select Committee on the European Communities. Since 1987, he has been a non-executive member of the Board of Anglian Water plc. Since 1988 he has been a member of the Broads Authority and since 1989 a member of the Harwich Haven Authority. In 1991 he was elected chairman of the Foundation for European Environmental Policy.

JOHN EDMONDS, Vice-President of the Society, is General Secretary of the GMB (formerly the General, Municipal, Boilermakers and Allied Trades Union). Educated at Christ's Hospital and Oriel College Oxford (BA 1965, MA 1968) he became in 1966 Research Assistant at the General & Municipal Workers Union; subsequently Deputy Research Officer (1967), Regional Officer (1968) and National Industrial Officer (1972-1985); Member of the Royal Commission on Environmental Pollution (1979-1989); Visiting Fellow, Nuffield College, Oxford since 1986; Governor, London School of Economics since 1986, Trustee of Institute for Policy Research, a Director of Unity Trust Bank plc., and member of the Council of the Consumers' Association.

DR CAROLINE JACKSON, MEP, Vice-President of the Society, has been a member of the European Parliament since 1984, representing Wiltshire, Newbury and Wantage. She is Conservative spokeswoman on Environment and Consumer Protection and author of "Europe's Environment; a Conservative Approach", and a former member of the National Consumer Council and of the British Committee for European Year of the Environment. Educated at St Hugh's and Nuffield College, Oxford, with a doctorate in 19th century history, she formerly worked for the European Parliament in Luxembourg and Brussels.

ROBERT B. JONES, MP, Vice-President of the Society, has been a member for Hertfordshire West since 1983. He is chairman of the House of Commons Select Committee on the Environment.

JOHN LANGSTON, Vice-President of the Society, served in the RAFVR and then in the Royal Air Force from 1942 until his retirement in 1979. From 1980-1991 he was Secretary

General of the National Society for Clean Air and Environmental Protection. He was appointed Director General of the International Union of Air Pollution Prevention Associations in 1986 - a position which he continues to hold. In December 1991 he was elected Chairman of the Investigation of Air Pollution Standing Conference. Appointed CBE in 1975, he is a Fellow of the British Institute of Management. He has been a member of the Board of Management of the Environment Council since 1984.

LORD NATHAN, MA, LLD (HON), FSA, FRSA, FRGS, Honorary Doctor of Laws (Sussex), a Vice-President and Past President of the Society, was a member of the Royal Commission on Environmental Pollution (1979-1989); a member of the House of Lords Select Committee on the European Communities and Chairman of its Environment sub-committee (1983-1987 and 1990 to date) and was Chairman of the ad hoc sub-committee on the European Company Statute. He was Chairman of the Select Committee on Murder and Life Imprisonment (1988-1989). He is President of the UK Environmental Law Association and has written and spoken extensively on environmental issues. He was Chairman of the Institute of Environmental Assessment to 1991 and is Chairman of the South Downs Conservation Board. Lord Nathan is an Emeritus Vice-President of the Royal Society of Arts (Chairman 1975-1977 and subsequently Chairman of its Environment Committee). He was Chairman of a working party on Energy and the Environment which reported in 1974. He is a solicitor who has practised in the City since 1950, being senior partner of Herbert, Oppenheimer Nathan and Vandyk until 1986 and was Consultant to Denton Hall Burgin and Warrens to 1992. He is an Honorary Associate Member of the Association of the Bar of the City of New York and is a Director of Discipline of Cambridge University.

SIR HUGH ROSSI, Vice-President of the Society, was educated at Finchley Catholic Grammar School and Kings's College, University of London. He subsequently qualified with honours as a solicitor. Among other appointments, Sir Hugh was Government Whip for the Conservative Party from 1970-74 and Parliamentary Under-Secretary of State at the DOE in 1974; opposition spokesman on Housing and Land 1974-1979; Minister of State Northern Ireland Office 1979-1981 and Minister of State for Social Security 1981-3. From 1972-3 he was Deputy Leader of the UK Delegation for the Council of Europe and the Western European Union, and was Chairman of the House of Commons Select Committee on the Environment from 1983-1992. Sir Hugh was knighted in 1983 and became Knight Cmdr, St. Gregory in 1985.

MADRON R. SELIGMAN, MA, MEP, Vice-President of the Society, was educated at Harrow School and Balliol College, Oxford, where he was President of the Oxford Union in 1940. Mr Seligman has been a Member of the European Parliament representing Sussex West since 1979, where he is Conservative Spokesman for Energy Research and Technology, and a member of the Committee for Environment. He was Chairman of the Incinerator Company Ltd, until September 1989, and Managing Director of APV International until November 1980.

12 Biographies - Vice-Presidents

JOHN SPEIRS, Vice-President of the Society, is Managing Director of Norsk Hydro UK Ltd. He was educated at Trinity College, Perthshire and Exeter College, Oxford. He gained an MBA from Cornell University, New York. He started his career as an industrial engineer with British Aluminium Company in 1962. From 1966 to 1976 he was with the Tube Investments Group, and became director of the Group's corporate secretariat. In 1976, he was appointed Divisional Director of the National Enterprise Board, where his work involved industrial reorganisation on behalf of the Department of Trade and Industry. He joined Norsk Hydro (UK) Ltd. as Managing Director in 1981. His activities within Hydro have ranged from managing two aluminium extrusion plants in France to acquiring and divesting UK companies. He was responsible for the monitoring operations in the UK award winning UK Environmental Report. He is also a member of the Government's Advisory Committee on Business and the Environment, and of the British Committee of Det Norske Veritas, and Chairman of the local Family Health Services Authority.

GARETH L. WARDELL, MP, Vice-President of the Society, is a graduate of the London School of Economics and Political Science. From 1972-73 he was a Lecturer in Education at Bedford College of Physical Education and from 1973-82 Senior Lecturer in Geography at Trinity College, Carmarthen. He is a Fellow of the Royal Geographical Society and has been MP for Gower since 1982. Mr. Wardell has been Chairman of the Select Committee on Welsh Affairs since 1984.

PROFESSOR SIR DAVID WILLIAMS, MA, LLB, Vice-President of the Society and a Past President of the Society, has been Vice-Chancellor of the University of Cambridge since October 1989, President of Wolfson College, Cambridge, 1980-1992, and Rouse Ball Professor of English Law 1983-1992. His academic interests lie in the fields of constitutional and administrative law, and in recent years he has been particularly interested in matters relating to the environment. He was a member of the Clean Air Council 1971-1979, of the Commission on Energy and the Environment 1978-1981, the Royal Commission on Environmental Pollution 1976-1983 and the Council on Tribunals, 1972-1982. David Williams went to the University of Cambridge, and was called to the Bar in 1956. He was a Commonwealth Fund (Harkness) Fellow in the United States, 1956-1958, and taught at the Universities of Nottingham and Oxford before returning to Cambridge in 1967.

PROFESSOR JAMES S. HARRISON, Chairman of Council, NSCA, and Environmental Adviser, British Coal Corporation. A Fellow of the Royal Society of Chemistry, Institute of Chemical Engineers and of the Institute of Energy, he was given the Institute's Special Award, and presented the BCURA Robens Coal Science Lecture in 1988. He is Chairman of IEA Coal Research, and of Combustion Systems Ltd. He is a member of the Research Committee of the European Coal Producers and has served on the Sub-Committee of Energy R&D of the Commission of the Common Market and on Advisory Committees of the IEA and of the UK Government. He is particularly interested in the environmental aspects of energy production and has given evidence on the greenhouse effect to Select Committees of

the House of Commons and the House of Lords. He is a visiting professor in the Department of Fuel and Energy at the University of Leeds.

K.G. (GEOF) KAUFMAN, Deputy Chairman of Council, represents the North West Division, NSCA. He is the Borough Public Protection Manager at Tameside MBC, and has held several appointments with local authorities in the Greater Manchester area. As a member of the Manchester Area Pollution Advisory Council he is a past secretary of the Noise working group. He recently served as a member of the Government Noise Review Working Party representing NSCA, is a member of the Society's National Noise Committee and co-author of several Society publications. He recently presented a paper to the 9th World Clean Air Congress and spent time in Sudan, Africa, assisting in the provision of water supplies to medical centres on behalf of the Association of Greater Manchester Councils and Save the Children Fund.

CLLR DR JOHN R. P. EVANS, ACP, MBIM, LRSC, MEd, PhD, is Deputy Chairman of Council of the Society and Vice Chairman of the South and Mid Wales Division, NSCA. A Chemistry graduate, he has worked as an industrial chemist with ICI Fibres and the British Steel Corporation. He taught for several years, and is currently Warden of an Adult Education Centre. Dr Evans was elected a Member of the Rhymney Valley DC in 1976 and was an Executive Member of the Labour Party (Wales).

CLLR MRS E. JANE INGLEFIELD, BA, RGN, immediate Past Chairman of the Council of the Society, represents the East Midlands Division, NSCA, and was Chairman of the Finance and Administration Committee; she has been a member of the Divisional Council of the East Midlands for the past 17 years and is the Chairman of Housing for High Peak BC. She is a member of the Management Committee of the Derbyshire Historic Buildings Trust Ltd. Mrs Inglefield is currently working for Marie Curie Memorial Cancer Care as the Regional Co-ordinator of Community Nursing Services for Trent, Mersey & North West Regions. She is a member of North Derbyshire Community Health Council.

BRIAN H. EDWICK, Honorary Treasurer of the Society, is also Honorary Treasurer and past President of the National Federation of Master Steeplejacks and Lightning Conductor Engineers and a Governor of the SS Great Britain Project.

THE COUNCIL OF THE SOCIETY

KEITH ATKINSON, Honorary Secretary of the Northern Division, NSCA, is Assistant Environmental Health Officer, Darlington BC. He entered local government in 1963 as a Pupil Health Officer, and worked for several local authorities after qualifying. His main interests in environmental issues are noise and air pollution. He was involved with the Darlington Quiet Town Experiment (1976-78). He was elected Honorary Secretary of the Northern Division in 1989 after representing Darlington BC for many years.

14 Biographies - The Council

DR RON BARNES represents the South East Division, NSCA, and is Chairman of the Society's Climate Change and Acid Rain Working Groups. He graduated from University College London in 1969 and was awarded his PhD in 1975 for research into the long range transport of atmospheric smoke and sulphur dioxide. After a period of mixed air pollution consultancy and university teaching during and after his PhD, he was appointed to the DOE's Central Unit on Environmental Pollution. He later joined ESSO Petroleum where he is responsible for all air pollution research activities and for providing strategic environmental planning information relevant to company operations and products. More recently Dr Barnes has been responsible for developing an environmental awareness training programme for all ESSO staff. In 1979 he was seconded from ESSO to the United Nations to prepare a consultants report on all aspects of the long range transport of air pollution. This report was used as the technical basis for the UN ECE Convention on Transboundary Air Pollution.

GEORGE W. BARRETT represents PowerGen plc. Having graduated from the University of Manchester in 1968 with an Honours degree in Physics, he was subsequently awarded an MSc in Applied Acoustics from the University of London. For three years he worked in the Acoustics Laboratory of the British Aircraft Corporation at Weybridge where he dealt with all aspects of aircraft noise. In 1972 he joined the Planning Department of the CEGB where he was a Group Head in the Environment Section, dealing with all aspects of environmental policy and planning for power generation. He is now with PowerGen where he is Environmental Adviser.

JOSEPH J. BEAGLE, BA(Hons), MIEH, represents the South East Division, NSCA, having become Honorary Secretary on his retirement from local government in 1983. He was a Divisional EHO with the London Borough of Hammersmith & Fulham where he was responsible for noise and air pollution control matters, including investigations into lead pollution and asbestos control. Mr Beagle is a member of the Technical and National Noise Committees and the Civil Nuclear Power Working Group, and now works as an Environmental Health Consultant. He also represents the Society on the Transport Committee of the Environment Council.

JOHN BODDY represents the South East Division, NSCA. He is a consultant on energy and the environment. He is a former Chairman of the NSCA Technical Committee on which he has served for many years, and he has been a member of the South East Divisional Council for the past six years. Before becoming a consultant he was employed by Mobil Europe Inc, Mobil Oil Co. Ltd and BP, mainly on product research and environmental matters. Mr Boddy was also engaged in joint activities of the Motor and Petroleum Industries in Europe - on motor vehicle and engine emission control. He served on the Council of the Institute of Petroleum from 1979 to 1981.

CLLR J. MAKIN BRAMLEY represents the Yorkshire & Humberside Division, NSCA. He has been a member of the District Council for 35 years and has chaired the Personnel

Committee for 12 years. He is a member of North Yorkshire CC and Vice Chairman of the Planning Committee. He is a member of the NRA Flood Defence and Vice Chairman of the Hull and Goole Port Health Authority. Cllr Bramley is a member of the Provincial Council and YOPAC. Cllr Bramley is a farmer.

DR NIGEL BURDETT represents National Power. He joined the Central Electricity Generation Board Research Division in 1977, working on emission control in current and future designs of fossil-fired boilers. This included NO_x and SO_x control from fluidised bed conductors, NO_x control from large coal-fired burners, acid smut emissions and the operation of electrostatic precipitators. He was seconded to the Science and Technology Secretariat, Cabinet Office Whitehall 1986-1988, working for the Advisory Council on Science and Technology (ACOST). He rejoined CEGB (National Power) in 1988 as Environmental Policy Development Manager, and is currently manager of the Corporate Environment Unit, responsible for formulating company environmental policy and for environmental audit.

STEPHEN CARDEN is Honorary Secretary of Yorkshire and Humberside Division, NSCA. He serves on the Technical and Parliamentary and Local Government Committees of the Society. Prior to his present position as Head of Health for the City of Wakefield MDC, he specialised in air pollution, noise and planning matters, and has worked for Barnsley and Kirklees, as well as having six years industrial experience.

CLLR JACK CARR represents the Yorkshire & Humberside Division, NSCA. A member of Rotherham MBC, he began in local government as Health Committee Chairman of Rawmarsh UDC and served as a member of the Sheffield and District Clean Air Committee 1967-73. In 1973 he became a member of the Yorkshire & Humberside Division of the Society and in the same year became a member of Rotherham's Environmental Health Committee. He has also held senior posts on Rotherham's Education Committee. In 1988 he became Chairman of the Environmental Health Committee and Chairman of South Yorkshire Joint Waste Committee and Hazardous Waste Unit. He also serves on the AMA.

RONALD S. CHAMBERLAIN represents the East Midlands Division, NSCA. He has been a member of the Division for twenty years, Chairman of the Division 1987-88 and a member of the Council of the Society since 1974. He was a member of Ashfield DC and Kirby-in-Ashfield UDC for over twenty years, was Chairman of the Kirby-in-Ashfield UDC Health Committee, 1971-74 and Chairman of the Ashfield DC Environmental Health Committee, 1974-83 and still represents Ashfield DC on the NSCA. Mr Chamberlain was elected Chairman of the Central Nottinghamshire Community Health Council in February 1981 and became a member of the Central Nottinghamshire District Health Authority in 1982 and Vice Chairman in 1987 until reorganisation in 1990. He is a Justice of the Peace.

GRAHAM COLLING represents the West Midlands Division, NSCA, and is currently the Senior Environmental Health Officer at South Staffordshire DC, specialising in environmental pollution. He qualified in 1981 and has been employed by a number of authorities in the

West Midlands region before concentrating on pollution in 1986. He is presently the Secretary of the Midland Joint Advisory Council for Environmental Protection.

PAULA A. COONEY, MSc, DMA, MIEH is a Principal Environmental Health Officer with the London Borough of Greenwich and Chairman of the South East Division of the National Society for Clean Air and Environmental Protection and a member of the Society's Technical Committee. He is head of a specialist unit responsible for all aspects of pollution control. Greenwich, as a riparian authority, has a history of industrial usage and has had to deal with much of the associated contamination. Throughout his career Mr. Cooney has taken a lead in the investigation of air pollution and contaminated land. His studies have involved assessing the biological effects of heavy metals and carrying out nine major epidemiological blood-lead studies involving children. As a result he has written and lectured widely on health risks associated with air pollution and contamination. He takes an active interest in all aspects of environmental pollution.

DAVID R. COPE represents the UK Centre for Economic and Environmental Development (UK CEED), an independent policy research unit, supported by UK charitable foundations, industrial and commercial interests and central government, which promotes the economic analysis of environmental problems in the UK. He is also Special Lecturer in Energy and Environmental Studies at the University of Nottingham and a visiting lecturer at Cambridge University. From 1987-89 he was a member of the CEGB's independent Environmental Development Advisory Panel. He is a member of the Standing Committee on the Environment of the Advisory Council on Science and Technology (Cabinet Office) the DoE and DTI's Environmental Technology Advisory Group, the Packaging Council and the Advisory Group to Business in the Environment. He has served on the Watt Committee on Energy's Nuclear Safety and Acidification Working Groups and the Fellowship of Engineering's Acid Emission Abatement Task Force. A Professional Associate of the Institute of Energy, he has written and lectured widely on all aspects of the economics of energy use and the environment.

HYLTON DAWSON is an independent noise and safety consultant and represents the Society's South West Division of which he is Chairman. He is co-patentee of two designs of silencer for supersonic jet engines and in 1971 was awarded the President's Gold Medal of the Society of Engineers. He has a particular interest in low frequency acoustics. He is Chairman of the NSCA's National Noise Committee. Mr Dawson represents the NSCA on the governing body of the International Association Against Noise (AICB), and on the Environmental Engineering Group of the Institution of Mechanical Engineers.

MERVYN FLEMING is secretary of the Northern Ireland Division, NSCA. He was educated at Royal Belfast Academical Institution, and qualified as an environmental health officer in 1973. He holds the diploma in Air Pollution Control of the Royal Society of Health and the diploma in Acoustics and Noise Control of the Institute of Acoustics. At present he

is studying part time at the University of Ulster for an MSc in environmental health. He holds the post of Principal Officer (pollution control) with the Eastern Group Public Health Committee.

DAVID A. HARRISON represents British Steel plc. He is at present Environmental Engineer at Scunthorpe Works of British Steel but has been involved with Energy and Environment in the Steel Industry for more than 30 years. He is a member of BS Environmental Control Committee which is a national committee determining environmental policy. He is also closely involved with issues of environmental noise as well as the monitoring of environmental conditions in the workplace.

FRANK HAYNES, is a past Vice-President of the Society and represents the East Midlands Division, NSCA. He was elected MP for Ashfield from 1979 to 1992. Formerly a Councillor, he comes from a coal-mining area and has helped his own local council to implement smoke control and clean air policies generally.

SIMON HICKMOTT represents the South East Division, NSCA. He trained as an environmental scientist, later joining local government and training as a town planner. He currently works for Lewes Borough Council. He is an active supporter of local environmental issues, and aims to ensure wider environmental concerns are integrated into town and country planning.

KEITH S. HORTON, BSc, DMS, MIEH, MIOA represents the South West Division of the Society, and is currently Deputy Chief Environmental Health Officer at Woodspring DC. He has been a representative on the Division for approximately 10 years, and was Secretary of the South West Division from 1988 to 1991. He has specialised in pollution and related topics for some 14 years, and has a particular interest in noise, vibration and computer applications in environmental health. He is past Chairman of the Avon, Gloucestershire and Somerset Environmental Monitoring Committee. He qualified in 1974 from Aston University and on reorganisation was appointed as an Environmental Health Officer with South Herefordshire DC. In 1977 he moved to Woodspring DC and was appointed Assistant Chief Environmental Health Officer in 1979, becoming Deputy Chief Environmental Health Officer in January 1991.

CLLR MRS J.I. JAMES represents the South West Division, NSCA. She studied chemistry and has been a member of the Society for 20 years. She is Chairman of North Avon Environment Committee and helped to guide North Avon into becoming a smokeless area.

TERRY JONES, DMA, MIEH, MInstWM, represents the South & Mid Wales Division, NSCA, and is a Chairman of the Parliamentary and Local Government Committee. He is employed by Torfaen BC as Assistant Director of Environmental Health Services and is currently responsible for the waste regulatory functions of the Authority. He is a Past

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Chairman of the Gwent Branch of the Institution of Environmental Health Officers and currently the appointed Hon. Secretary of the South and Mid Wales Division, NSCA.

CLLR THOMAS JONES represents the North West Division, NSCA. He has been a Councillor since 1970, first as a member of Ashton-in-Makerfield UDC and then under the reorganisation of local authorities he became a member of Wigan MBC. Throughout his political career he has held a variety of positions including Mayor of Wigan in 1982. He is Chairman of Manchester Area Pollution Advisory Committee and is now the delegate for the Association of Greater Manchester Authorities on this Committee. He is Chairman of the Association of Greater Manchester Council Trading Standards Committee and Vice-Chairman of the North Western Home Safety Council.

PATRICK LEGGE, BSc(Hons), MIEH, represents the Central Southern Division, NSCA, and serves on the Technical and National Noise Committees. As a qualified Environmental Health Officer, he has gained considerable experience in air pollution and noise control, particularly when he worked for Dudley MBC and the London Borough of Ealing. He is now a Divisional Environmental Health Officer with Slough BC, in charge of a specialist section dealing with pollution, refuse collection and cleansing issues.

IAN R. LIVERSIDGE, FRSH, MIEH, represents the North West Division NSCA and serves on the Finance and Administration Committee. He recently retired from the post of Borough Environmental Health Officer with Bolton MBC, following almost forty years local Government service. During his career he has been responsible for matters concerning land, water and air pollution.

CALUM MACDONALD represents the Scottish Division NSCA and is its Hon. Secretary. He is a member of the Technical and the Parliamentary and Local Government Committees. As an environmental health officer he has served with Glasgow DC since 1975, as a student, then qualified environmental health officer. He is currently a Principal Officer in Glasgow with responsibility for a wide range of environmental matters including air pollution, noise control, waste management and lead in water. He is convenor/secretary of the Strathclyde (North and Central) Pollution Control liaison group and a member of the Scottish Pollution Control co-ordinating committee. He assisted in the resurrection of the Scottish Division and is keen to ensure a continuing valuable contribution to the Society from north of the border.

JOHN A. MANN represents the Northern Division, NSCA. He entered local government in Hull in 1965, and worked as an environmental health officer in Yorkshire, Suffolk and the Midlands before joining Middlesbrough BC in 1984, where he became involved with the Society. A Chief Officer since 1988, he has been involved with community liaison initiatives and leads for his council on environmental activities. He is a board member of Middlesbrough Environment City, an accolade awarded in 1992 by the Royal Society for Nature Conservation.

CLLR GERALD M. McDADE represents Doncaster MBC, Yorkshire and Humberside Division. He was a member of Thorne RDC from 1959 to 1974, and was Chairman in 1963 and 1970. He has been Chairman of various Committees including Public Health for Doncaster MBC since 1974, and was Mayor 1975-76. He is the Vice-Chairman of the Planning Committee, a local magistrate and Vice-Chairman of the NSCA Yorkshire and Humberside Division. He is retired, having previously been in Management for ICI Fibres, and Director of Yorkshire and Humberside Development Association.

IAN MACKAY represents the Solid Smokeless Fuels Federation and is a member of the Parliamentary and Local Government Committee. Having joined the National Coal Board in 1948, he served in various departments, particularly marketing, and became District Sales Manager for Teesside. In 1970, he joined Associated Heat Services Limited as Sales Manager and in 1982 was appointed General Manager of the Solid Smokeless Fuels Federation. He was Chairman of the North East Coal Industry Society in 1980. Mr MacKay is an associate member to the Institute of Marketing.

CLLR DAVID MUNN is President of the Scottish Division. He is a Justice of the Peace and has been convener of Cunninghame District Council's health committee since 1987. A member of the Convention of Scottish Local Authorities he is also active on the Cunninghame Housing Association. He has long been interested in pollution from all sources and was instrumental in the district council's promotion of smoke control.

MRS E.M.L. (PAT) NAYLOR, MIHEc, MRSH, ARCA, is Immediate Past Chairman of the South East Division, NSCA. She was associated with the Women's Solid Fuel Council for 30 years until its demise in September 1989. Mrs Naylor is a Lecturer in Home Economics in England and America. She is a member of the BBC Local Radio Council; of the British Standards Institution; of the Kitchen Planning SFC Committee and of the United Kingdom Home Economics Federation. Mrs Naylor is also a Past President of the United Kingdom Federation of Business and Professional Women. She is a member of the Society's Conference and Promotions Committee.

HOWARD NOWELL is a former Honorary Secretary of the South West Division, NSCA. He has spent the greater part of his professional career with Bath CC where he is now Principal Environmental Health Officer with special responsibility for environmental pollution control. He has served on numerous pollution related bodies and is a founder Member and Past Chairman on the Avon, Gloucestershire and Somerset Environmental Monitoring Committee.

CLLR ROBERT F. OGILVIE represents the East Midlands Division as Chairman, NSCA, of which he has been a member since 1979. He has been a member of Corby DC since 1973 and is a member of the Policy and Planning and Environmental and General Services Committees. He is Chairman of Development Control and a member of the Community

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Health Council, Governor of Forest Gate and Firdale Schools, and also the Vice Chairman of Corby Citizens Advice Bureau.

CLLR LEN POOLE, BEM, JP, a Past President of the Society, represents the Northern Division of NSCA; he is Deputy Chairman of the National Noise Committee and a Past Chairman of the Society's Council. Cllr Poole has been Chairman of the Northern Division and a member of the Council since reorganisation of local government, Chairman of the Environmental Health Committee, Middlesbrough BC and Member of South Tees Health Authority, Justice of the Peace since 1965 and Deputy Chairman of Domestic and Adult Court. Cllr Poole was responsible for persuading his council to complete its Domestic Smoke Control programme by the target date of 1979. He is a Member of the Boroughs of Cleveland Pollution Control Group (Industrial Pollution), also an Executive Member and President of the Federation of Burial and Cremation Authorities, and Chairman of the Tidy North Consultative Committee and member of the Finance and S&P Committee, as well as President of Middlesbrough Mentally Handicapped Society and Director of the Tidy Britain Group.

ALAN J. REES, DMS, MBIM, MIEH, AMIOA is a Past Chairman of the Council of the Society, and of the Society's Finance and Administration Committee. He represents the South East Division, NSCA. He qualified as a Public Health Inspector with Oxford CC, and has since been employed by three other local authorities, before his present appointment as Principal Environmental Health Officer for South Oxfordshire DC. From 1978 to 1983 he was Honorary Secretary of London & South East and Central Southern Divisions, and is a past Chairman of the Joint Divisions.

KENNETH ROBERTS represents the North West Division, NSCA, representing CMB Engineering for the last 12 years, as a member of the Divisional Council and now an individual member. He is now retired after 28 years as a mechanical engineer with CMB engineering. The last 12 years have been spent working on air pollution control projects connected with the control of emissions of VOCs from process plants. He is now a Director of his own company Air Pollution Engineering Services (APES Ltd).

NICHOLAS M. ROSS, MBIM, MInstM, represents the Low Temperature Coal Distillers' Association. Having joined the National Coal Board in 1967, he served in Marketing Departments in Yorkshire and the Midlands. In 1978 he joined National Smokeless Fuels Ltd, and in 1981 took up an appointment with the NCB/SFAS as Sales Manager of Merseyside, West Cheshire, West Lancashire and the Isle of Man. In 1985 he was seconded to NCB Industrial Branch and in May of that year joined the Coalite Group plc as General Sales Manager Coalite and a Director of Coalite Fuels and Chemicals. In September 1989 he was appointed Commercial Director of Coalite Smokeless Fuels. Mr Ross served as Secretary of the North Midlands Coal Industry Society from 1970-1979 and took the Chair in 1980. He is Chairman of the SSFF Publicity Committee, sits on the SSFF National Executive Committee and is a co-opted member of the East Midlands Division of the NSCA.

DR MICHAEL J. R. SCHWAR represents the South East Division, NSCA. He has had over twenty years experience in scientific management and the application of science to a wide variety of problems. He has overall responsibility within Rendel Science and Environment Ltd for all scientific operations and safety matters. He has headed project teams involving a range of scientific disciplines and has sat on numerous government, local government and professional committees concerned with the development of policies of a scientific nature. In recent years he has developed specialist skills in quality management and environmental quality management systems. Dr Schwar has worked abroad in the Near East and Middle East on a series of environmental protection studies. He is a physicist by training and specialist skills include environmental assessment, asbestos, risk management and air quality assessment.

PROFESSOR RICHARD S. SCORER, MA, PhD, represents the South East Division, NSCA, and serves on the Society's Technical Committee. He was Chairman of the Council of the Society 1978-79. He is the author of numerous books on air pollution, meteorology and related subjects. He was in the Meteorological Office & RAF 1941-5 and was President of the Royal Meteorological Society 1986-88. He was appointed as Lecturer (Meteorology) Imperial College, 1949; as Reader (Applied Mathematics) in 1957, and became Professor (Theoretical Mechanics) in 1962. He is a Fellow of the Meteorological Society (Hon. Sec. 1956-60), Fellow of the Royal Society of Health and Fellow of the Royal Aeronautical Society. He was Founder Editor of the International Journal of Air Pollution (now Atmospheric Environment). As a member of the Clean Air Council from 1968 until its demise, he chaired its Technical Committee. He was an Alderman of London Borough of Merton (1971-78) and on the Metropolitan Water Board 1971-74. Professor Scorer was awarded the title Emeritus Professor in 1982 and is now a Senior Research Fellow in Mathematics and Environmental Technology at Imperial College.

FRANK E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng, FIGasE, represents British Gas plc and The Institution of Gas Engineers. He is a Past Chairman of the Council of the Society and former Chairman of its Finance and Administration Committee. He graduated from the Queen's University of Belfast in 1960 and completed a period of research into catalytic reactions of hydrocarbons before joining the Gas Council Basic Research Groups in 1963. He studied fundamental properties of catalysts until 1970, when he joined the Analytical Research Group of the Gas Council's London Research Station. After a period as Assistant Manager responsible for the Environmental Studies Group within the Analytical Division he was appointed Manager of that Division. He is now Programme Manager, Environment R&T within British Gas. He is Chairman of The Institution of Gas Engineers Environment Committee and he also chairs the International Gas Union Task Force on Gas and the Environment.

JACK B. SIMPSON has been a member of North West Divisional Council, NSCA, since 1980. He was a founder member and Honorary Technical Officer of the Manchester Area

Pollution Advisory Council and has been Chairman of its Technical Advisory Committee since 1986. He is currently Chairman of the MAPAC air group. After qualifying in 1961 whilst employed by Lancaster CC, he joined Failsworth UDC in 1963, becoming Chief Public Health Inspector in 1972. On amalgamation to Oldham MBC in 1974 he became Principal Environmental Health Officer (Pollution and Noise Control) and in 1984 was promoted to Divisional EHO (Pollution Control/Health and Safety).

JOHN M. SMITH represents the North West Division, NSCA. He has been a Councillor for Oldham MBC since 1990 and serves on the Environment Committee. He is a member of the Manchester Area Pollution Advisory Council and the NSCA Divisional Council.

F. JOHN SMITH, BSc represents the South East Division, NSCA, of which he is currently Deputy Chairman. He is Publicity Manager for Johnson Matthey Catalytic Systems Division, Autocatalyst Europe. Outside his professional career he is Vice-Chairman of the Development Services Committee. He has been a district councillor for 32 years and also served on the North Hertfordshire Health Authority, 1981-90. He is a graduate of Hull University.

~~BARBARA~~ **LIS (MRS B.J.) SOLKHON** represents the South East Division, NSCA, and is Chairman of the Society's Conference and Promotions Committee. On being elected to Brighton BC in 1979 she chose Environmental Health as her main Council Committee. She became Chairman in 1982 and has attended NSCA Conferences as a Council Delegate each year since, becoming a member of the South East Division in 1988. She is a writer and broadcaster and lectures on media skills, training personnel for local authorities and commercial companies. She is a member of Sussex University Council, a school governor, and heavily involved with music and the arts. She is a member of the Institute of Journalists and of the Institute of Public Relations.

ALAN TAYLOR represents the Institute of Environmental Health Officers and is currently the Chief Environmental Health Officer with Cheltenham Borough Council. He joined Stoke on Trent City Council in 1955 as a pupil and worked as a District Inspector until 1967. He moved to Cheltenham Borough in 1967 where he specialised in safety and pollution issues until he moved into management in 1986. He became Chief Environmental Health Officer following restructuring of the Council in 1991. He has served on numerous Technical Committees in the south west and is a former Chairman of the Avon, Gloucestershire and Somerset Monitoring Committee.

CLLR H. I. THOMAS is Chairman of the South and Mid Wales Division, NSCA and a member of the Conference and Promotions Committee. He was elected Councillor in May 1967, and is a past Mayor of Lliw Valley BC. Cllr Thomas is Chairman of the Council's Amenities Committee, which is responsible for environmental health and leisure. He represents his council on the West Glamorgan Joint Environmental Committee, he is a member of the West Wales Advisory Committee of the Sports Council of Wales, and a

member of the West Glamorgan Health Authority, and the Swansea and Lliw Valley Community Health Council. He is also a director of Tourism for South Wales.

KEVIN E. THOMAS represents the Scottish Division, NSCA, having joined in 1990. He commenced a local government career in 1967 as a sanitary inspector with Ayr CC. In 1976 he gained a BSc from Strathclyde University and joined Cunninghame DC. As Assistant Director of Environmental Health he has worked on many pollution projects. In 1980 he instigated Cunninghame's smoke control programme. As a member of the Institute of Acoustics he contributed a chapter on noise control to the Environmental Health Reference Book, Butterworths (1988).

TREVOR TOWNSEND, MIEH, FRSH, represents the West Midlands Division, NSCA and is a member of the National Noise Committee. He is currently Head of Environmental Health Services with Cannock Chase DC. He qualified as an environmental health officer in 1964 and has since held senior appointments with several local authorities, mainly specialising in environmental pollution. He is the past Technical Secretary of the Midlands Joint Advisory Council for Clean Air and Noise Control and is currently a lecturer and examiner of both the Environmental Health Officers Examination Board and the Royal Society of Health's Diploma in Air Pollution Control.

R.N. (NEIL) TURNER, DMS, MIEH, T Eng(CEI) is Honorary Secretary of the North West Division, NSCA, and heads the Pollution/Health & Safety Unit at Knowsley MBC. Specialising in pollution control management and consultancy for the past 16 years he has produced evidence for Royal Commission reports, been a consultee and working party member on several BATNEEC guidance documents and has had several papers published nationally and internationally on pollution based topics, management and training. He is an examiner for the Royal Society of Health, lecturer at University College, Salford and a member of the Merseyside Pollution Group and Manchester Area Pollution Advisory Council. He represents his Division on the Parliamentary and Local Government Committee.

ROBERT F. WEST, MIEH, MIOA, MInstWM, represents the NSCA South and Mid Wales Division, NSCA. He qualified in 1968 with a diploma in Public Health from the University of Wales, Institute of Science and Technology. He is currently employed as a Principal Environmental Health Officer responsible for Pollution Control with Cardiff CC. He is a member of the Society's Technical Committee and is also involved with other regional committees and working groups dealing with waste management, radiation and pollution related topics.

CLLR THOMAS W. YELLOWLEY, MBE, represents the Northern Division, NSCA. He was elected to the Newcastle-upon-Tyne CC in May 1963. He is Chairman of the AMA Environmental Health and Consumer Affairs Committee and member of LACOTS. He was Vice Chairman of the Northern Division, NSCA, in 1976, Chairman, Northern Division in 1977 and Vice-Chairman from 1978 to date. He currently serves on the Finance and Administration Committee.

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November 1943 to March 1946

Mr. Will Melland

March 1946 to September 1948

Sir George Elliston

September 1948 to September 1949

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September 1949 to September 1951

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September 1951 to October 1953

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October 1953 to October 1956

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October 1956 to December 1958

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December 1958 to March 1961

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March 1961 to April 1963

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April 1963 to May 1965

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May 1965 to May 1967

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May 1967 to April 1969

Sir John Charrington

April 1969 to June 1971

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June 1971 to June 1973

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Naomi E.S. Sargent

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Professor Sir David Williams

October 1985 to October 1987

Councillor L. Poole, BEM, JP

October 1987 to October 1989

The Rt. Hon. Lord Nathan

October 1989 to October 1991

Sir John Mason, CB, FRS

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December 1958 to April 1962

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April 1962 to April 1964

Dr. J.L. Burn

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Mr. J. Goodfellow

May 1967 to April 1969

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April 1969 to September 1971

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September 1971 to July 1973

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July 1980 to October 1981

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October 1981 to October 1982

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October 1990 to October 1991

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October 1991 to October 1992

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DIVISIONAL MEMBERSHIP

SCOTTISH DIVISION

President/Chairman: Cllr David Munn

Hon. Secretary: C. MacDonald

c/o Environmental Health Department,
Glasgow City Council,
23 Montrose Street, Glasgow G1 1RN
Telephone: 041 227 5564/5552

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

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Clackmannan District Council
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Clydesdale District Council
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Cunninghame District Council
Dumbarton District Council
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Hamilton District Council
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Monklands District Council
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NORTHERN IRELAND DIVISION

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Hon. Secretary: M. Fleming
 67 Kilwarlin Road
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Fax: 0232 401491

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 Northern Ireland Housing Executive
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30 Loraine Crescent, Darlington DL1 5TS

Telephone: 0325 352692

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~~Environmental Services Department,~~

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~~King Charles II House,~~

~~Pontefract, West Yorkshire WF8 1BQ~~

~~Telephone: 0924 295391~~

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Staffordshire, Warwickshire, West
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Hon. Secretary: L.F. Medlycott

68 Hatherton Road, Cannock,

Staffordshire WS11 1HQ

Telephone: 0543 505265

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Coventry City Council

Dudley Metropolitan Borough Council

Lichfield District Council

Newcastle-under-Lyme Borough Council

North Warwickshire Borough Council

Nuneaton & Bedworth District Council
 Redditch District Council
 Rugby Borough Council
 Solihull Metropolitan Borough Council
 South Staffordshire District Council
 Stoke-on-Trent City Council
 Tamworth Borough Council
 Walsall Metropolitan Borough Council
 Warwick District Council
 Wolverhampton Metropolitan Borough
 Council
 Worcester City Council
 Wrekin District Council, The
 Wyre Forest District Council

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 British Gas plc (*SM*)
 Broquet International Ltd
 HM Inspectorate of Pollution (*SM*)
 National Association of Chimney Sweeps
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Essex, Norfolk, Suffolk

Chairman: K.R. Enderby
Hon. Secretary: D. Romaine
 Housing and Environmental Services Dept,
 Derby City Council, The Council House,
 Corporation Street, Derby DE1 2FD
Telephone: 0332 255228

MEMBERSHIP LIST EAST MIDLANDS

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 Ashfield District Council
 Bassetlaw District Council
 Bolsover District Council
 Boston Borough Council
 Broxtowe Borough Council
 Cambridge District Council
 Charnwood Borough Council
 Chesterfield Borough Council

32 Divisional Membership

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Derby City Council
Derbyshire Dales District Council
Erewash Borough Council
Fenland District Council
Gedling District Council
Harborough District Council
High Peak Borough Council
Hinckley & Bosworth Borough Council
Huntingdon District Council
Leicester City Council
Lincoln City Council
Mansfield District Council
Newark & Sherwood District Council
North East Derbyshire District Council
North Kesteven District Council
North West Leicestershire District Council
Nottingham City Council
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South Cambridgeshire District Council
South Derbyshire District Council
South Holland District Council
South Kesteven District Council
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British Gas plc (*SM*)
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Coalite Smokeless Fuels (*SM*)
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Derbyshire College of Higher Education
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Low Temperature Coal Distillers Association
National Power plc (*SM*)
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Rolls Royce plc
Solid Smokeless Fuels Federation
Tace plc
UK Centre for Economic & Environmental Development

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Warren, R.S.
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Wheatley, R.W.C. (*HM*)
Wilcock, T.G.

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Castle Point District Council
Colchester Borough Council
Epping Forest District Council
Harlow District Council
Ipswich Borough Council
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St Edmundsbury Borough Council
Thurrock Borough Council

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National Power plc (SM)

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Hampshire, Hertfordshire, Isle of Wight,
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Hon. Secretary: J.J. Beagle
19 Oxgate Gardens, Brent,
London NW2 6EA
Telephone: 081 452 0203

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Arun District Council
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Barnet, London Borough of
Bedford Borough Council
Bexley, London Borough of
Brent, London Borough of
Brighton Borough Council
Bromley, London Borough of
Broxbourne Borough Council
Cherwell District Council
Crawley Borough Council
Croydon, London Borough of
Dacorum Borough Council
Dartford Borough Council
Dover District Council
Ealing, London Borough of

Eastbourne Borough Council
Elmbridge Borough Council
Epsom & Ewell District Council
Fareham Borough Council
Gosport Borough Council
Gravesham Borough Council
Greenwich, London Borough of
Guildford Borough Council
Hackney, London Borough of
Harrow, London Borough of
Hastings Borough Council
Havering, London Borough of
Horsham District Council
Hounslow, London Borough of
Islington, London Borough of
Kensington & Chelsea, Royal Borough of
Kingston upon Thames, Royal Borough of
Lewes District Council
Lewisham, London Borough of
London, City of
Luton Borough Council
Mid Bedfordshire District Council
Oxford City Council
Portsmouth City Council
Richmond upon Thames, London
Borough of
Rochester upon Medway Borough Council
Rother District Council
Sevenoaks District Council
Slough Borough Council

34 Divisional Membership

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Southampton City Council
Southwark, London Borough of
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Watford Borough Council
West Oxfordshire District Council
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Imperial Chemical Industries
Institution of Environmental
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Johnson, Dr C.A.	Rose, Dr N.
Johnson, C.M.	Russell, J.
Jones, T.H.	Sandalls, J.
Kallend, Dr A.S.	Scannell, K.
Kayes, Dr P.J.	Scorer, Professor R.S. (HM)
Kenyon-Goldthorpe, M.	Scotson, D.A. (LM)
Kirk, Dr P.W.W.	Seymour, M.
Knowles, P.	Sharp, D.H.
Lees, B. (LM)	Shillito, D.
Logan, E.A.	Simmons, Dr P.M.
Londy, C.	Simms, K.L.
Lucas, Miss P.	Skea, Dr J.

36 Divisional Membership

Smith, Mrs P. (LM)

Solaja, A.J.

Solkhon, Mrs B.J.

Somerville, Dr H.J.

Southwood, R.M.

Symons, D.N.

Tagg, J.R. (LM)

Thompson, I.

Turner, M.

Turner, Dr W.C. (LM)

Valentin, Dr F.H. (LM)

Varey, R.H.

Verdin, A.

Vine, Mr & Mrs G.M. (LM)

Vulkan, G.

Wade, R.E.J.

Wakeman, W.A.

Walder, A.N.

Walker, M.

Wallin, S.C. (LM)

Walter, Miss H.J.

Weaver, T.J.

Wemyss, P.

Westlake, Dr G.

Willcox, Mrs M.C.T.R.

Williams, I.

Worley, S.

SOUTH WEST DIVISION

*Avon, Cornwall, Devon, Dorset,
Gloucestershire, Somerset, Wiltshire.*

Chairman: H. Dawson

Hon. Secretary: J.A. Jefferies

Environmental Health Services,

Bristol City Council, Brunel House,

St George's Road, Bristol BS1 5UY

Telephone: 0272 223343

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Avon County Council

Bath City Council

Bournemouth Borough Council

Bristol City Council

Cheltenham Borough Council

Cotswold District Council

East Dorset District Council

Exeter City Council

Forest of Dean District Council

Gloucester City Council

Mendip District Council

North Wiltshire District Council

Northavon District Council

Plymouth City Council

Poole Borough Council

South Hams District Council

South Somerset District Council

Stroud District Council

Taunton Deane Borough Council

Teignbridge District Council

Thamesdown Borough Council

Torbay Borough Council

Wansdyke District Council

Woodspring District Council

CORPORATE MEMBERS

British Coal (SM)

British Gas plc (SM)

Cornwall Noise Advisory Committee

Cross Manufacturing (1938) Ltd

Enviro Technology Services plc

HM Inspectorate of Pollution (SM)

Nuclear Electric plc (SM)

INDIVIDUAL MEMBERS

Bailey, B.J.

Bartlett, M.J.E.

Baxter, T. (LM)

Beaman, Dr A.L.

Beckwith, Dr P.

Birkin, M.

Blattner, S.

Bradford, F.J.

Briggs, E.B. (LM)

Brookfield, P.R.

Clarke, A.J. (LM)

Clarke, B.

Cromack, R.
 Dawson, H. (HM)
 Dickerson, D.S.
 Edwick, B.H.
 Etheridge, Dr S.P.
 Garrigar, O.L.
 Hagen, Dr D.
 Hannabuss, G.H. (LM)
 Hinchliffe, D.
 Holman, Dr C.
 McArthur, R.J.
 Morris, G.

Pearse, J.D.
 Price, B.
 Redston, R.V. (LM)
 Robertson, D.S. (LM)
 Robson, A.
 Stafford, S.J.
 Street, A.
 Turner, D.
 Upton, B.C. (LM)
 Vick, J.L.
 Wade, Dr R.J.
 Wright, D.

SOUTH AND MID WALES DIVISION

Wales except Clwyd and Gwynedd

Chairman: Cllr. H. Thomas
Hon. Secretary: T. Jones
 28 Maes-y-celyn, Griffithstown,
 Pontypool, Gwent NP4 5DG
Telephone: 0495 762200

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Blaenau Gwent Borough Council
 Cardiff City Council
 Cynon Valley Borough Council
 Dinefwr Borough Council
 Islwyn Borough Council
 Llanelli Borough Council
 Lliw Valley Borough Council
 Merthyr Tydfil Borough Council
 Mid Glamorgan County Council
 Neath Borough Council
 Newport Borough Council
 Port Talbot Borough Council
 Preseli Pembrokeshire District Council
 Rhondda Borough Council
 Rhymney Valley District Council
 Swansea City Council
 Taff Ely Borough Council
 Torfaen Borough Council
 Vale of Glamorgan Borough Council
 West Glamorgan County Council

CORPORATE MEMBERS

British Coal (SM)
 British Gas plc (SM)
 British Steel plc
 HM Inspectorate of Pollution (SM)
 National Power plc (SM)
 South Glamorgan Institute of
 Higher Education
 Swansea Port Health Authority

INDIVIDUAL MEMBERS

Barrett, K.
 Davies, G.H.
 Davies, Ms M.K.
 Dukes, P.
 Evans, J.
 Harrison, J.E.
 Jones, L.G.
 Parry, J.W. (LM)
 Thayer, J.M.
 Thomas, A.O.
 Thomas, H.I. (HM)

(HM) *Honorary Members*

(LM) *Life Members*

(SM) *Sustaining Members*

**MEMORANDUM OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

*Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions
on 5 October 1981 and 23 October 1991.*

1. The name of the company (hereinafter called “the Society” is “The National Society for Clean Air and Environmental Protection”.
2. The registered office of the Society will be situate in England.
3. i) The object for which the Society is established is to seek the improvement of the environment by promoting clean air through the reduction of air pollution, noise and other atmospheric contaminants having regard for the implications for other aspects of the environment.
 - ii) a) To initiate, assist, promote and encourage the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention, and to undertake, or support or aid the undertaking of, investigations and research relevant to the causes and effects of pollution and the means to prevent it and to publish the results of such research.
 - b) To promote public education in all matters relating to the value and importance of clean air and methods and consequences of air pollution control and forms of pollution control by arranging meetings, publications, exhibitions, the delivery of lectures and addresses, the display of pictures, cinematograph films and models and by other means.
 - c) To encourage the adoption of methods to reduce and prevent pollution.
 - d) To promote, assist, support, or oppose, as may be consistent with the objects for which the Society is established, any administrative or other measures or proposed measures affecting pollution.
 - e) To initiate, support and co-operate with others in proposals and activities calculated to assist the promotion of the Society’s objects.
 - f) To establish, and support or aid in the establishment and support of any charitable association or institutions and to subscribe or guarantee money for charitable purposes in any way connected with the Society’s purposes or calculated to further its objects.
 - g) To purchase, take on lease or in exchange, hire or otherwise acquire any real or personal property and any rights or privileges which the Society may think necessary or convenient for the promotion of its objects, and to construct, maintain and alter any building or erections necessary or convenient for the work of the Society.

- h) To sell, let, mortgage, dispose of or turn to account all or any of the property or assets of the Society as may be thought expedient with a view to the promotion of its objects.
- i) To undertake and execute any trusts which may lawfully be undertaken by the Society and may be conducive to its objects.
- j) To borrow or raise money for the purposes of the Society and subject to this Memorandum of Association on such terms and on such security as may be thought fit.
- k) To invest the moneys of the Society not immediately required for its purposes in or upon such investments, securities or property as may be thought fit, but so that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners for England and Wales shall only be invested in such securities and with such sanction (if any) as may for the time being be prescribed by law.
- l) If and when considered advisable, to take all such measures as may be necessary to convert the Society into a body specially incorporated by Royal Charter or otherwise, or to secure the creation of a new body so incorporated with the object of carrying out the purposes of the Society and continuing the work thereof.
- m) To take all such steps as will further the attainment of the above objects or any of them.

PROVIDED FIRST that, notwithstanding anything contained in the preceding paragraphs of this Clause, the objects of the Society shall be restricted to such only of the objects aforesaid as are according to the law of England exclusively charitable.

PROVIDED SECONDLY that the Society's objects shall not extend to regulation of relations between workers and employers or organisations of workers and organisations of employers.

PROVIDED THIRDLY that in case the Society shall take or hold any property subject to the jurisdiction of the Charity Commissioners for England and Wales or the Secretary of State for Education and Science, the Society shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law and as regards any such property the Council of the Society (hereinafter called "the Council") shall be chargeable for any such property that may come into their hands and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as the Council would have been if no incorporation had been effected, and the incorporation of the Society shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Secretary of State for Education and Science over the Council but they shall as regards any such property be subject jointly and severally to such control or

authority as if the Society were not incorporated. In case the Society shall take or hold any property which may be subject to any trusts, the Society shall only deal with the same in such manner as allowed by law, having regard to such trusts.

4. The income and property of the Society, whencesoever derived, shall be applied solely towards the promotion of the objects of the Society as set forth in this Memorandum of Association and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend bonus or otherwise howsoever by way of profit, to the members of the Society.

PROVIDED that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration and pension to any officer or servant of the Society in return for any services actually rendered to the Society, nor prevent the payment of interest at a rate of 6% per annum on money lent or reasonable and proper rent for premises demised or let by any member to the Society nor prevent the gratuitous distribution among, or sale at a discount to, subscribers to the funds of the Society of any books or other publications, whether published by the Society or otherwise, relating to all or any of the Society's objects above set forth; but so that no member of the Council shall be appointed to any salaried office of the Society or any office of the Society paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Society to any member of the Council, except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Society; provided that the provision last aforesaid shall not apply to any payment to any company of which a member of the Council may be a member, and in which such member shall not hold more than one hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the provisions of the Memorandum or Articles of Association of the Society for the time being in force unless the same shall have been previously submitted to and approved by the Department of Trade.
6. The fourth and fifth paragraphs of the Memorandum of Association contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of section 19(1) of the Companies Act 1948.
7. The liability of the members is limited.
8. Every Member of the Society undertakes to contribute to the assets of the Society, in the event of the same being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts and liabilities of the Society contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required not exceeding 5s (25p).
9. If upon the winding up or dissolution of the Society there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall

not be paid to or distributed among the members of the Society, but shall be given or transferred to some other charitable institution or institutions having objects similar to the objects of the Society, and which shall prohibit the distribution of its or their income and property among its or their members to an extent at least as great as is imposed on the Society at or before the time of dissolution, and if and so far as effect cannot be given to such provision, then to some charitable object.

**ARTICLES OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions on 5 October 1981, 1 October 1984, 27 October 1986, 21 October 1991 and 19 October 1992.

DEFINITIONS

1. In these presents the words standing in the first column of the Table below shall bear the meaning set opposite to them respectively in the second column thereof, if not inconsistent with the subject or context:

<i>Words</i>	<i>Meaning</i>
The Act of 1948	The Companies Act, 1948.
The Act of 1967	The Companies Act, 1967.
The Acts	The Companies Act, 1948 and the Companies Act, 1967.
The Bye-Laws	The Bye-Laws of the Society from time to time in force.
These presents	These Articles of Association.
The Society	The above named Society.
The Council	The Council for the time being of the Society.
The Office	The registered office of the Society.
The Seal	The common seal of the Society.
The United Kingdom	Great Britain and Northern Ireland.
Month	Calendar month.
In writing	Written, printed or lithographed, or partly one and partly another, and other modes of representing or reproducing words in a visible form.
The Secretary General	The Secretary for the time being or any person appointed to perform the duties of Secretary of the Society, in accordance with the Acts.

Representative of a Member	A Representative of a Local Authority or Corporate Member appointed under Article 4d or e, and whose appointment has been duly notified to the Secretary General.
Delegate	A Representative of a Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member to represent its local interests in the particular Division in which its Branch or Section is situated.

And words importing the singular number only shall include the plural number, and vice versa. Words importing the masculine gender only shall include the feminine gender and vice versa and words importing persons shall include corporations.

Subject as aforesaid, any words or expressions defined in the Acts or any statutory modification thereof in force at the date on which these presents become binding on the Society shall, if not inconsistent with the subject or context, bear the same meanings in these presents.

MEMBERSHIP

2. The number of members with which the Society is registered is unlimited.
3. The provisions of section 110 of the Act of 1948 shall be observed by the Society and every member of the Society, other than Honorary Members, shall either make a written request to become a member (which request may be included in his application for membership made in accordance with Article 4(i) of these presents) or sign a written consent to become a member or sign the register of members on becoming a member.
4. a) The members of the Society shall be the persons who are members of the Society and such other persons as the Council shall from time to time elect or recommend to the Society for election.
- b) The Society shall consist of a President, Vice-Presidents, Secretary General, Honorary Members, Individual Members, Local Authority Members, Corporate Members and Student Members. The Society may also have a Patron or Patrons as hereinafter mentioned.

Classes of Membership:

- c) Individual Members
 - i) Any individual who supports the objects of the Society shall be eligible for admission as an individual member.
 - ii) On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be earlier, individual members may, at the discretion of the Council, retain their membership as individual members of the Society on payment of a fixed sum as prescribed in the Bye-Laws of the Society.
- d) Local Authority Members
 - i) Any local authority supporting the objects of the Society shall be eligible for

admission as a local authority member. A local authority member shall be entitled from time to time to appoint, and to revoke the appointment of not more than five representatives. Each of the representatives of a local authority member shall be entitled to exercise on its behalf the same rights as an individual member and (if not himself an individual member) shall, by virtue of his appointment to any office of the Society or to membership of the Council.

- ii) For the purpose of this Article, the designation local authority shall be deemed to include health authorities and water authorities or such other like authorities as the Council shall from time to time admit for membership.

e) Corporate Members

- i) Any Society, Institution, Company, Association, Board or Group or educational establishment being in every case an incorporated body supporting the objects of the Society shall be eligible for admission as a corporate member. A corporate member shall be entitled to appoint representatives according to subscription as set out in the Bye-Laws, and any such representatives shall be entitled to exercise on its behalf the same rights as an individual member, and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- ii) An unincorporated body (including a firm) may not as such become a member of the Society, but if it desires to obtain the advantages of membership it may nominate representatives (determined according to subscription as aforesaid) to apply in its name for membership and exercise the rights of membership on its behalf. Every person so applying for membership shall be subject to the same rules and regulations as to admission and otherwise as any person not so nominated, and shall if admitted have the same rights and be subject to the same liabilities and incidents as any individual member except that (i) such persons shall be liable to pay such annual subscription as is appropriate to a corporate member (ii) if his nomination is revoked by such a body he shall cease to be a member. References in these presents or in the Bye-Laws to corporate members shall as far as the context admits include reference to unincorporated bodies having nominated representative members provided always that no such body shall as such have any rights of voting or otherwise or be deemed for any purpose to be a member of the Society.

f) Sustaining Members

Any member who subscribes not less than the sum prescribed in the Bye-Laws for this class of membership shall be eligible for admission as a sustaining member.

g) Honorary Members

Individuals who have rendered outstanding service in promoting the objects of the Society shall be eligible for admission as Honorary Members and such persons, being duly admitted shall enjoy all the privileges of membership (including the right to vote) except that they shall not by virtue of their Honorary

Membership alone be deemed to be members of the Society for the purpose of registering within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

h) Student Members

Any bona fide non-graduate student pursuing a course of study at school, college or university shall be eligible for admission as a student member on payment of the subscription prescribed in the Bye-Laws.

i) Application for Membership

Every person wishing to join the Society and eligible for election as a member, must apply in writing and shall deposit with such application the first annual subscription which shall be returned in the event of non-election.

j) Resignation of Members

i) Every member duly elected shall continue as such until he shall resign by notice in writing, to the Secretary General, such notice being accompanied by any monies due to the Society.

ii) The Council shall have the power to remove any member:

a) whose annual subscription has remained unpaid for two successive years, or

b) who, in the opinion of the Council has acted in a manner prejudicial to the interests and objects of the Society or has behaved in such a manner as to render his further membership detrimental to the interests of the Society, or

c) at its sole discretion without assigning any reason therefore.

Provided that in every case the member concerned shall have the opportunity to make representations defending his conduct in writing to the Council.

k) Annual Subscriptions

The Council shall make Bye-Laws from time to time to fix annual subscriptions payable by the various classes of member. The Bye-Laws shall be confirmed by the Society in General Meeting.

ANNUAL GENERAL MEETING

5. The Society shall hold a General Meeting in every calendar year as its Annual General Meeting at such time and place as may be determined by the Council, and shall specify the Meetings as such in the notices calling it, provided that every Annual General Meeting shall be held not more than fifteen months after the holding of the last preceding Annual General Meeting.

EXTRAORDINARY GENERAL MEETING

6. All General Meetings, other than Annual General Meetings, shall be called Extraordinary General Meetings.
7. The Council may whenever they think fit convene an Extraordinary General Meeting, and Extraordinary Meetings shall also be convened on such requisition, or in default may be convened by such requisitions, as provided by section 132 of the Act of 1948.

NOTICE OF MEETINGS

8. Twenty-one days' notice in writing at least of every Annual General Meeting and of every meeting convened to pass a Special Resolution, and fourteen days' notice in writing at the least of every other General Meeting (exclusive in every case both of the day on which it is served or deemed to be served and of the day for which it is given), specifying the place, the day and the hour of meeting, and in the case of business other than routine business the general nature of that business, shall be given in manner hereinafter mentioned to such persons (including the Auditors) as are under these presents or under the Act entitled to receive such notices from the Society; but with the consent of all the members having the right to attend and vote thereat, or of such proportion of them as is prescribed by the Act in the case of meetings other than Annual General Meetings, a meeting may be convened by such notice as those members may think fit.
9. The accidental omissions to give notice of a meeting to, or the non-receipt of such notice by, any person entitled to receive notice thereof shall not invalidate the proceedings at such meetings.

PROCEEDINGS AT GENERAL MEETINGS

10. Routine business shall mean and include only business transacted at an Annual General Meeting of the following classes, that is to say:
 - a) Reading and considering the accounts and balance sheet and the annual reports of the Council and the Auditors.
 - b) Appointing Auditors and fixing their remuneration.
 - c) Receiving the results of the election of the Council and other officers.
11. No business shall be transacted at any General Meeting unless a quorum is present when the meeting proceeds to business. Save as herein otherwise provided ten members or representatives of members personally present shall be a quorum.
12. If within half an hour from the time appointed for the holding of a General Meeting a quorum is not present, the meeting, if convened on the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, or at such other place as the Council may determine, and if at such adjourned meeting a quorum is not present within half an hour from the time appointed for holding the meeting the members present shall be a quorum.
13. The Chairman (if any) of the Council shall preside as Chairman at every General Meeting, but if there be no such Chairman, or if at any meeting he shall not be present within fifteen minutes after the time appointed for holding the same, or shall be unwilling to preside, the members present shall choose one of the Deputy Chairmen or some other member of the Council, or if no such member be present, or if all the members of the Council present decline to take the chair, they shall choose some member or representative of a member of the Society who shall be present to preside.
14. The Chairman may, with the consent of any meeting at which a quorum is present

(and shall if so directed by the meeting) adjourn the meeting from time to time, and from place to place, but no business shall be transacted at any adjourned meeting other than business which might have been transacted at the meeting from which the adjournment took place. Whenever a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given in the same manner as of an original meeting. Save as aforesaid, the members shall not be entitled to any notice of an adjournment, or of the business to be transacted at an adjourned meeting.

15. At any General Meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless a poll is, before or upon the declaration of the result of the show of hands, demanded by the Chairman or by at least five members or representatives of members present in person or by proxy, or by members or representatives of members present in person or by proxy and representing not less than one-tenth of the total voting rights of all the members and representatives of members having the right to vote at the meeting, and unless a poll be so demanded a declaration by the Chairman of the meeting that a resolution has been carried, or carried unanimously or by a particular majority or lost, or not carried by a particular majority, and an entry to that effect in the minute book of the Society shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against that resolution. The demand for a poll may be withdrawn.
16. Subject to the provisions of Article 17, if a poll be demanded in manner aforesaid, it shall be taken at such time and place, and in such manner, as the Chairman of the meeting shall direct, and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
17. No poll shall be demanded on the election of a Chairman of a meeting or on any question of adjournment.
18. In the case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting shall be entitled to a second or casting vote.
19. The demand for a poll shall not prevent the continuance of a meeting for the transaction of any business other than the question on which a poll has been demanded.

VOTES OF MEMBERS

20. Subject as hereinafter provided, every member shall have one vote. A local authority member or corporate member shall have one vote for each of its representatives which shall be exercisable by such representatives in person.
21. Except in accordance with Article 4g and 29, and unless the Council otherwise determine, no member other than a member duly registered, who shall have paid every subscription and other sum (if any) which shall be due and payable to the Society, in respect of his membership, shall be entitled to vote on any question either personally through its representatives or by proxy, or as a proxy for another member at any General Meeting.
22. a) Votes may be given on a poll either personally or by proxy. A proxy need not be a member.

- b) The instrument appointing a proxy shall be in writing under the hand of the appointer, or his attorney duly authorised in writing, or if such appointer is a corporation under its common seal, if any, and if none, then under the hand of some officer duly authorised in that behalf. In the case of a representative of a member any proxy shall be appointed by the member itself or its attorney and not by the representative.
- c) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarially certified or office copy thereof shall be deposited at the office not less than 48 hours before the time appointed for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of 12 months from the date of its execution.
- d) A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, provided that no intimation in writing of the death, insanity or revocation as aforesaid shall have been received at the office before the commencement of the meeting or adjourned meeting at which the proxy is used.
- e) An instrument appointing a proxy shall be in the common form or in such other form as the Council may accept, and shall be deemed to confer authority to demand or join in demanding a poll.

HONORARY OFFICERS

- 23. The officers of the Society shall consist of a President, Honorary Treasurer, Chairman and two Deputy Chairmen of the Council, the Immediate Past Chairman of the Council and may also include a Patron or Patrons as hereinafter mentioned.

PATRON

- 24. The Council may accept the patronage of any person or persons and shall thereupon elect such person or persons to be the Patron or Patrons of the Society for life or for such period as the Council may determine.

PRESIDENT

- 25. The President shall be elected annually by the Society under the Bye-Laws. No person shall hold the office of President for more than two years in succession.

HONORARY TREASURER

- 26. The Honorary Treasurer shall be elected annually by the Society under the Bye-Laws. The Honorary Treasurer shall be responsible for the uninvested funds of the Society and he shall cause all necessary and proper accounts to be kept in accordance with Article 47 hereof.

VICE-PRESIDENTS

- 27. a) Any person may be elected by the Society as a Vice-President providing that he

or she is a person of distinction in an appropriate field who is likely to promote actively the work of the Society.

- b) Vice-Presidents shall normally be elected for a term of three years and may stand for re-election.
- c) Vice-Presidents shall not exceed twelve in number.

CHAIRMAN AND DEPUTY CHAIRMEN

- 28. The Chairman and Deputy Chairmen shall be elected annually by the Council from its own members at its first meeting after the Annual General Meeting.
- 29. The Patron or Patrons (if any) of the Society, the President of the Society, and the Vice-Presidents shall enjoy all the rights of membership (including the right to vote) during their term of office except that they shall not by virtue of their office alone be deemed to be members of the Society for the purposes of registration within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

THE COUNCIL

- 30. Subject as hereinafter provided, the members of Council shall not be less than 20 in number. The Society may, by Ordinary Resolution from time to time, increase or reduce the minimum number of members of the Council. The Council may act notwithstanding any vacancies in their body, but if the members of the Council shall be reduced in number to less than that required for a quorum for their meetings, they may act as the Council for the purpose only of summoning a general meeting of the Society.
- 31. The Council shall consist of the Patron or Patrons (if any), the President, the immediate Past President, the Honorary Treasurer, the immediate past Chairman, a number of divisional representatives elected as hereinafter provided; and not more than a like number of other persons consisting of representatives of National or similar organisations which are corporate members of the Society, at the invitation of the Council. No person other than a member of the Society or a representative of a member may be appointed a member of the Council. The Council may from time to time and at any time appoint any member of the Society or a representative of a member as a member of the Council either to fill a casual vacancy or by way of addition to the Council. Any member so appointed shall retain his office only until the next Annual General Meeting, but he shall be eligible for re-election or re-appointment.
The term National or similar organisation shall refer to any institution, association, society or board or other similar organisation, the activities of which extend to the whole of the United Kingdom, or to England, Scotland, Wales or Northern Ireland, and which is accepted by the Council as a National or similar organisation for the purposes of these presents.

APPOINTMENT AND RETIREMENT OF MEMBERS OF THE COUNCIL

- 32. a) The members and representatives of members of each Division shall elect

annually from among their number representatives to be members of the Council. Divisional representatives shall be elected to the Council for a period of three years. One-third of the elected members shall retire in rotation each year; such members shall be eligible for re-election. The number of Divisional representatives to be elected by each Division shall each year be determined by the Council.

- b) A National or similar organisation shall be entitled to nominate annually one representative for membership of the Council under Article 31.
- c) The elected members of the Council shall (unless re-elected) vacate office after three years in accordance with the provisions of Article 32a.

33. The office of a member of the Council shall be vacated:
- a) if he ceases to be a member or a representative of a member of the Society;
 - b) If by notice to the Society he resigns his office;
 - c) If a receiving order is made against him or he makes any arrangement or composition with his creditors;
 - d) If he becomes of unsound mind;
 - e) If he ceases to hold office by reason of any order made under section 188 of the Act of 1948;
 - f) If he is removed from office by a resolution duly passed pursuant to section 184 of the Act.

34. A member of the Council who has attained the age of seventy shall be eligible for election and the provision of subsections (1) and (2) of section 185 of the Act of 1948 shall not apply.

POWERS OF THE COUNCIL

35. The management of the Society shall be in the hands of the Council who may pay all expenses incurred in forming and registering the Society and may exercise all such powers of the Society as are not by the Act of 1948 or by these presents required to be exercised by the Society in General Meeting, subject nevertheless to any regulations of these presents, to the provisions of the Act of 1948, and to such regulations (not inconsistent with the aforesaid regulations or provisions) as may be prescribed by the Society in General Meeting, but no regulations so made by the Society shall invalidate any prior act of the Council which would have been valid if such regulations had not been made. The general powers given by this Article shall not be limited or restricted by any special authority or power given to the Council by any other Article.
36. i) The Council shall, as necessary, make and recommend the adoption, alteration and revocation of the Bye-Laws for the regulation of the Society and otherwise for the furtherance of the purposes for which the Society is established, provided that the Bye-Laws are not repugnant to the Memorandum of Association or these presents. Such recommendations of the Council shall be laid before the Society at the following Annual General Meeting or at an Extraordinary General Meeting called for that purpose for adoption, if thought fit, by Ordinary Resolution. The Bye-Laws for the time being in force shall be binding upon all members until varied or set aside as hereinafter provided. It is expressly declared that, without prejudice to the powers of the Society to adopt Bye-Laws on other

matters, the following shall be deemed to be matters which (so far as not governed by, and subject always to the provisions of, these presents) may be governed by Bye-Laws within the meaning of this Article, that is to say:

- a) As to entrance fees (if any) payable in respect of membership of the Society.
 - b) As to the annual, quarterly or other subscriptions or payments to be payable by the members of the Society.
 - c) As to the rights and privileges to be accorded to, and the qualifications, restrictions and conditions to be imposed on, members of the Society.
 - d) As to committees of members in connection with various branches of the Society's activities, and as to the appointment, removal, qualification, disqualification, duties, functions, powers and privileges of members of such committees.
 - e) As to the manner in which the election of officers and Council members shall be conducted.
 - f) As to the geographical divisions of the Society for electoral purposes, and the setting up and regulation of Divisional Councils and their membership, duties, functions and powers.
- ii) The Council shall have power to issue Standing Orders from time to time regulating the appointment of various committees from members of the Society or otherwise as provided herein for the better administration of the business of the Council and directing the terms of reference of such committees and the procedure governing the transaction of their business.
 - iii) Any Committee appointed in accordance with this Article shall have power to adopt persons to act as members of the committee whose qualifications or experience will assist the committee in its work, but the number of persons so adopted shall not exceed one-third of the membership of the committee excluding adopted members.

SECRETARY GENERAL

- 37. i) The Secretary General shall be appointed by the Council for such time at such remuneration and upon such conditions as they think fit, and any person so appointed may be removed by them. The provisions of section 177 and 179 of the Act of 1948 shall apply and be observed.
- ii) The Secretary General shall from time to time submit financial statements at the request of the Council. It shall be his duty, under the direction of the Council, to conduct the correspondence of the Society, to attend meetings of the Council and committees thereof, to take minutes of the proceedings of such meetings, to superintend the publication of such papers as the Council may direct, engage and be responsible for all persons employed under him, and, in general, conduct the ordinary business of the Society in accordance with the Memorandum and Articles of Association.
- iii) The Council may from time to time by resolution appoint an assistant or deputy Secretary General, and any person so appointed may act in place of the Secretary General if there be no Secretary General or no Secretary General capable of acting.

THE SEAL

38. The Council shall provide a Common Seal of the Society and make rules for the safe custody and use thereof, and it shall only be used by the authority of the Council previously given and in the presence of one member of the Council at least, and every such instrument shall be countersigned by the Secretary General or some other person duly authorised by the Council.

PROCEEDINGS OF THE COUNCIL

39. The Council may meet together for the dispatch of business, adjourn and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business. Unless otherwise determined, ten shall be a quorum. Questions arising at any meeting shall be decided by a majority of votes. In case of an equality of votes the Chairman shall have a second or casting vote.
40. Five members of the Council may, and on the request of five members of the Council the Secretary General shall, at any time, summon a meeting of the Council by notice served upon the several members of the Council. A member of the Council who is absent from the United Kingdom shall not be entitled to notice of a meeting.
41. The Chairman shall be entitled to preside at all meetings of the Council at which he shall be present, but if no such Chairman be elected, or if at any meeting the Chairman be not present within five minutes after the time appointed for holding the meeting and willing to preside, the members of the Council present shall choose one of the Deputy Chairmen and failing them one other of their number to be Chairman of the Meeting.
42. A meeting of the Council at which a quorum is present shall be competent to exercise all the authorities, powers and discretions by or under the regulations of the Society for the time being vested in the Council generally.
43. The Council may delegate any of their powers to committees consisting of such member or members of the Council as they think fit, and any committee so formed shall, in the exercise of the power so delegated, conform to any regulations imposed on it by the Council. The meetings and proceedings of any such committee shall be governed by the provisions of these presents for regulating the meetings and proceedings of the Council so far as applicable and so far as the same shall not be superseded by any Bye-Laws made by the Council.
44. All acts bona fide done by any meeting of the Council or any committee of the Council, or by any person acting as a member of the Council, shall notwithstanding it be afterwards discovered that there was some defect in the appointment or continuance in office of any such member or person acting as aforesaid or that they or any of them were disqualified, be as valid as if every such person had been duly appointed or had duly continued in office and was disqualified to be a member of the Council.
45. The Council shall cause proper minutes to be made of all appointments of officers made by the Council and of the proceedings of all meetings of the Society and of the Council and of committees of the Council, and all business transacted

at such meetings, and any such minutes of any meetings, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be sufficient evidence without any further proof of the facts therein stated.

46. A resolution in writing signed by a majority of the members for the time being of the Council or of any committee of the Council who are entitled to receive notice of a meeting of the Council or of such committee shall be as valid and effectual as if it had been passed at a meeting of the Council or of such committee duly convened and constituted.

ACCOUNTS

47. The Council shall cause proper books of account to be kept with respect to:
- a) all sums of money received and expended by the Society and the matters in respect of which such receipts and expenditure take place;
 - b) all sales and purchases of goods by the Society; and
 - c) the assets and liabilities of the Society.

Proper books shall not be deemed to be kept if there are not kept such books of account as are necessary to give a true and fair view of the state of affairs of the Society and to explain its transactions.

48. The books of account shall be kept at the office, or subject to section 147(3) of the Act of 1948 at such other place or places as the Council shall think fit, and shall always be open to the inspection of the members of the Council.
49. The Council may from time to time impose reasonable restrictions as to the time and manner of the inspection by the members (other than members of the Council) or by representatives of members of the accounts and books of the Society, or any of them, and subject to such restrictions the accounts and books of the Society shall be open to the inspection of such members or representatives of members at all reasonable times during business hours.
50. The Council shall from time to time in accordance with sections 148, 150 and 157 of the Act of 1948 cause to be prepared and laid before the Society in General Meeting, such income and expenditure accounts, balance sheets and group accounts (if any) and reports as are referred to in those sections. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Society in General Meeting, together with a copy of the Auditors report, shall not less than twenty-one days before the date of the meeting be sent to every member of, and holder of debentures of, the Society. Provided that this Article shall not require a copy of those documents to be sent to any person of whose address the Society is not aware or to more than one of the joint holders of any debentures.

AUDIT

51. Once at least in every year the accounts of the Society shall be examined, and the correctness of the income and expenditure account and balance sheet ascertained by one or more properly qualified Auditor or Auditors.
52. Auditors shall be appointed and their duties regulated in accordance with

sections 159 to 162 of the Act of 1948, the members of the Council being treated as the Directors mentioned in those sections.

NOTICES

53. A notice may be served by the Society upon any member, either personally or by sending it through the post in a prepaid letter, addressed to such member at his registered address as appearing in the register of members.
54. Any member described in the register of members by an address not within the United Kingdom, who shall from time to time give the Society an address within the United Kingdom at which a notice may be served upon him, shall be entitled to have notices served upon him at such address, but, save as aforesaid and as provided by the Act, only those members who are described in the register of members by an address within the United Kingdom shall be entitled to receive notices from the Society.
55. Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same is put into the post, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office as a prepaid letter.

DISSOLUTION

56. Clause 9 of the Memorandum of Association of the Society relating to the winding up and dissolution of the Society shall have effect as if the provisions thereof were repeated in these Articles.

BYE-LAWS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Ordinary Resolution dated 29 March 1974 and as amended on 13 October 1976, 6 July 1977, 20 July 1978, 16 July 1980, 5 October 1981, 18 October 1982, 31 October 1983, 1 October 1984, 14 October 1985, 27 October 1986, 26 October 1987, 24 October 1988, 23 October 1989, 15 October 1990 and 21 October 1991.

DEFINITIONS

1. The Definitions section of the Articles of Association of the Society shall be deemed to be incorporated in and applied to these presents.

SUBSCRIPTIONS

2. Annual subscriptions shall be as hereinafter provided. A first annual subscription shall be made on application for membership and shall continue in force until the first day of April of the following year, when it shall be renewable.
 - a) Individual Members
 - i) The annual subscription payable by an individual member shall be not less

than £24.50. On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be the earlier, on payment of the sum of Forty Nine Pounds, individual members may, at the discretion of the Council, retain their membership of the Society in perpetuity, but always subject to the Council's right of removal.

- ii) Individual members may on payment of not less than Four Hundred and Ninety Pounds become life members of the Society.
- b) Local Authority Members
The annual subscription payable by a local authority shall be not less than as follows: for local authorities with a population of:

Less than 100,000	£340.00
100,001 to 250,000	£410.00
250,001 to 500,000	£495.00
500,001 to 1,000,000	£660.00
For each additional 500,000 or part thereof	£63.00

- c) Corporate Members and Unincorporated Bodies appointed in accordance with Article 4(e)(ii)

The annual subscription payable by corporate members and unincorporated bodies shall be not less than as follows:

- i) Small local civic societies, colleges, schools and similar organisations — £45.00
- ii) Regional and national societies and similar organisations — £240.00
- iii) Industrial organisations — £340.00

- d) Sustaining Members
The annual subscription for a sustaining member shall be not less than three times the minimum subscription payable by a local authority member under Bye-Law 2(b) or three times the subscription of a corporate member under Bye-Law 2(c)(iii).

- e) Membership — Special Cases
Under the Bye-Laws the Council of the Society has the power to elect any applicant for membership to an appropriate grade of membership, on such special terms as to subscription or otherwise as after considering any reasons for so doing stated by such applicant the Council may think proper.

REPRESENTATIVES OF MEMBERS

- 3. a) Local Authority Members
Each local authority member shall be entitled to appoint not more than five representatives.
- b) Corporate Members
 - i) Corporate members elected to membership under Bye-Law 2(c)(i) shall each be entitled to appoint one representative.
 - ii) Corporate members elected to membership under Bye-Law 2(c)(ii) shall each be entitled to appoint three representatives.
 - iii) Corporate members elected to membership under Bye-Law 2(c)(iii) shall each be entitled to appoint five representatives.

- iv) A corporate member having a branch or section situated in a Division other than that Division in which the address of the corporate member is situated shall, in such Division, be entitled to appoint delegates to participate in the activities of the appropriate Division.

RIGHTS OF MEMBERS

- 4. Each individual member, local authority member and corporate member and each representative of a local authority member or corporate member, who has paid the appropriate subscription for the current year, shall have the right to:
 - i) Nominate individual members and representatives as officers or members of the Council;
 - ii) Be nominated and elected as an officer or member of the Council;
 - iii) Cast one vote at elections;
 - iv) Receive notices of and attend and participate in all meetings of the Society and of the member's Division;
 - v) Move or second, and cast one vote on motions at meetings of the Society and of the member's Division;
 - vi) Receive free of charge as they are issued the Journal and Members Handbook of the Society;
 - vii) Obtain from the Society, advice and information on questions relating to pollution and its control.

DIVISIONS

- 5. a) For administrative and electoral purposes the Society shall be divided into geographical Divisions as follows:

Scotland

Northern Ireland

Northern: Cleveland, Cumbria (in part, only — Allerdale District Council, City of Carlisle and Eden District Council), Durham, Northumberland, Tyne and Wear.

North West: Cheshire, Clwyd, Cumbria (in part, only — Barrow-in-Furness Borough Council, Copeland District Council and South Lakeland District Council), Greater Manchester, Gwynedd, Lancashire, Merseyside.

Yorkshire and Humberside: Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

West Midlands: Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.

East Midlands: Cambridgeshire, Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire.

Eastern: Essex, Norfolk, Suffolk.

South East: Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Greater London, Hampshire, Hertfordshire, Isle of Wight, Kent, Oxfordshire, Surrey, West Sussex.

South West: Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.

South and Mid Wales: Wales except for Clwyd and Gwynedd.

- b) Members shall normally be considered as belonging to the Division in which their address, as entered upon the Society's records, is situated. However, members may elect to belong to another Division better suited to their needs.
- c) For the purposes of carrying out activities in a Division, the members, as hereinafter defined, may elect from among themselves a Divisional Council and its Honorary Officers. A Divisional Council and its Honorary Officers, other than Secretary and auditors, shall consist only of members, representatives and delegates of members. The Constitution and activities of a Divisional Council shall be subject to the general approval of the Council which shall pay or make grants for approved expenses.
- d) The members, representatives and delegates of members, as hereinafter defined, in any town or district within a Division, may, if they so desire, and with the approval of the Council and of their Divisional Council, set up a branch of the Division and elect committees and Honorary Officers. The activities of a branch shall be subject to the general approval and guidance of the Council and of the Divisional Council and the Divisional Council may pay and make grants for approved expenses.

PRESIDENT, VICE-PRESIDENTS, HONORARY MEMBERS AND HONORARY TREASURER

- 6. a) The President and an Honorary Treasurer shall be elected annually on the recommendation of the Council by the Society at its Annual General Meeting.
- b) Vice-Presidents shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.
- c) Honorary Members shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.

THE COUNCIL

- 7. a) The business of the Society shall be specified in Article 35 and shall include the direction of the policy of the Society, the work of its committees, the reception of reports from such committees, from Divisions, from Headquarters and subject groups.
- b) The Council at its first meeting after election shall elect from its own members, a Chairman, two Deputy Chairmen and the following committees:
 - i) Finance and Administration
 - ii) Conference and Promotions
 - iii) Technical
 - iv) Parliamentary and Local Government
 - v) Noise
 - vi) Any other committee considered by the Council to be necessary.
- c) The Chairman of Council, the two Deputy Chairmen of Council, the Honorary Treasurer, the Chairmen of the standing committees (or Deputies in their absence) and the Immediate Past Chairman of Council shall comprise a Steering Group and will meet as required with the following terms of reference:
 - To implement Council policy
 - To ensure that the programmes of the standing committees are comprehensive and appropriately interlocking

- To formulate proposals for policy changes
 - To act on behalf of the Council in cases of urgency
 - To report to the next following meeting of Council any action taken on its behalf.
- d) There shall also be a Nominations Committee, appointed by the Council. The terms of reference of this committee shall be as set out in the Standing Orders of the Council.
- e) The procedure for the election of Chairman, Deputy Chairmen and committees, and the rules and functions of all committees, shall be decided by the Council.

ELECTIONS

8. a) President, Vice-Presidents, Honorary Members and Honorary Treasurer. Nominations for the office of President, Vice-Presidents, Honorary Members and Honorary Treasurer may be made by any member of the Society. Nominations, in writing, shall be received by the Secretary General not less than three months prior to the date of the Annual General Meeting.
- b) i) Divisional representatives (elected in accordance with Article 32(a)). Each member may nominate Divisional representatives for his own Division provided that he does not nominate more than the total number to be appointed by that Division. Nominations shall be made to the Divisional Secretary not less than seven days before the date of the Annual General Meeting of the Division. In the event of more nominations being received than there are Divisional Representatives to be appointed, elections by ballot shall be held at the Annual General meeting of the Division. The result of such an election is to be reported to the Secretary General of the Society not later than seven days before the date of the Society's Annual General Meeting. The names of the persons so elected shall be announced at such Annual General Meeting.
- ii) No member or representative of a member shall nominate, be nominated for, or vote in any Divisional election other than that of which he is a member or representative.
- c) Representatives of National or similar organisations (in accordance with Article 32(b)). Nominations from National or similar organisations shall be received by the Secretary General not less than seven days before the date of the Annual General Meeting.
- d) No nomination for office shall be considered valid unless the agreement of the candidate has been previously obtained.

INTERPRETATION OF BYE-LAWS

9. The Council shall have full power to decide any question of interpretation of these Bye-Laws and any other question on which these Bye-Laws are silent, subject to the power of the Society in any subsequent general meeting to review any such decision and to make new provision in relation thereto.

DIRECTORY OF ENVIRONMENTAL AND RELATED ORGANISATIONS

For ease of reference entries in this directory are arranged in alphabetical order with a classified index. Brief descriptions are included of organisations whose titles are not self-explanatory. Organisations are classified under the following headings:

Air Pollution

Built Environment

Consumer Issues

Countryside Conservation

Development

Energy

Environmental Education

Environmental Law

General Environment

Health

Industrial Organisations

Local Government Organisations

Meteorology

Noise Pollution

Pesticides

Research

Transport

Waste/Recycling

Water Pollution

National and International organisations are listed separately.

ACTION ON SMOKING AND HEALTH (ASH)

109 Gloucester Place

London W1H 3PH

Tel: 071 935 3519

AIRFIELDS ENVIRONMENT FEDERATION (AEF)

Sir John Lyon House

5 High Timber Street

London EC4V 3NS

Tel: 071 329 8159

ASBESTOS REMOVAL CONTRACTORS' ASSOCIATION

Friars House

6 Parkway

Chelmsford

Essex CM2 0NF

Tel: 0245 259744

ASSOCIATION FOR THE PROTECTION OF RURAL SCOTLAND

Charleston Dalguise

Nr. Dunkeld

Perthshire PH8 0JX

Tel: 0350 728712

ASSOCIATION FOR THE REDUCTION OF AIRCRAFT NOISE (ARRAN)

11 First Street

London SW3

Tel: 071 584 1848

ASSOCIATION OF BRITISH SOLID FUEL APPLIANCES MANUFACTURERS (ABSAM)

77 Renfrew Street

Glasgow G2 3BZ

Tel: 041 332 0826

**ASSOCIATION OF COUNTY
COUNCILS (ACC)**

Eaton House
66A Eaton Square
London SW1W 9BH
Tel: 071 235 1200 071 201 1500

**ASSOCIATION FOR THE
CONSERVATION OF ENERGY
(ACE)**

9 Sherlock Mews
London W1M 3RH
Tel: 071 935 1495

**ASSOCIATION OF DISTRICT
COUNCILS (ADC)**

26 Chapter Street
London SW1P 4ND
Tel: 071 233 6868

**ASSOCIATION OF
METROPOLITAN AUTHORITIES
(AMA)**

35 Great Smith Street
London SW1P 3BJ
Tel: 071 222 8100

**ASSOCIATION OF NOISE
CONSULTANTS**

6 Trap Road
Guilden Morden
Nr. Royston
Herts SG8 0JE
Tel: 0763 852958

ASTHMA SOCIETY

Providence House
Providence Street
London N1 0NT
Tel: 071 226 2260

**ATMOSPHERIC RESEARCH &
INFORMATION CENTRE (ARIC)**

Dept of Environment & Geographical
Science
Manchester Metropolitan University
Chester Street
Manchester M1 5GD
Tel: 061 247 1592

ATOMIC ENERGY AUTHORITY

Harwell
Oxon OX11 0RA
Tel: 0235 821111

BRITISH COAL

Hobart House
Grosvenor Place
London SW1X 7AE
Tel: 071 235 2020

**BRITISH COMBUSTION
EQUIPMENT MANUFACTURERS'
ASSOCIATION**

See GAMBICA

**BRITISH CYCLING FEDERATION
(BCF)**

16 Upper Woburn Place
London WC1H 09E
Tel: 071 381 9320

BRITISH GAS PLC

Rivermill House
152 Grosvenor Road
London SW1V 3JL
Tel: 071 821 1444

BRITISH LUNG FOUNDATION

8 Peterborough Mews
London SW6 3BL
Tel: 071 371 7704

British Aerosol Manufacturers' Association
Kings Buildings, Smith Square, London, SW1P 3JJ
Tel: 071 828 5111

**BRITISH NUCLEAR ENERGY
SOCIETY (BNES)**

1-7 Great George Street
London SW1P 3AA
Tel: 071 222 7722

BRITISH ROAD FEDERATION

194-202 Old Kent Road
London SE1 5TG
Tel: 071 703 9769

**BRITISH STANDARDS
INSTITUTION**

Information Office
Linford Wood
Milton Keynes MK14 6LE
Tel: 0908 220022

**BRITISH WIND ENERGY
ASSOCIATION (BWEA)**

4 Hamilton Place
London W1V 0BQ
Tel: 071 499 3515/0753 882447

**BUILDING RESEARCH
ESTABLISHMENT**

Building Research Station
Bucknalls Lane
Garston
Watford WD2 7JR
Tel: 0923 894040
Research in building design and materials.

**CENTRE FOR ALTERNATIVE
TECHNOLOGY (CAT)**

Machynlleth
Powys SY20 9AZ
Tel: 0654 702400
Working demonstration and information
on sustainable technologies.

create - Centre for Research,
Education and Training in Energy
Suite 2, 41 Station Rd, Colwyn Bay
Clwyd, LL29 8BP
0492 534896.

CIVIC TRUST

17 Carlton House Terrace
London SW1Y 5AW
Tel: 071 930 0914
Maintains standards of environmental
quality and management in the inhabited
environment.

**CLIMATE ACTION NETWORK
(CAN)**

21 Tower Street
London WC2H 9NS
Tel: 071 497 2712
International information exchange on
climate change.

**COAL RESEARCH
ESTABLISHMENT**

Stoke Orchard
Cheltenham
Glos GL52 4RZ
Tel: 0242 673361

**COMBINED HEAT AND POWER
ASSOCIATION**

3rd Floor, Grosvenor Gardens House
35-37 Grosvenor Gardens
London SW1W 0BS
Tel: 071 828 4077

**CONFEDERATION OF BRITISH
INDUSTRY (CBI)**

Centre Point
103 New Oxford Street
London WC1A 1DU
Tel: 071 379 7400

CONSUMERS ASSOCIATION (CA)

2 Marylebone Road
London NW1 4DX
Tel: 071 486 5544
Research and publications on consumer
goods and services.

**CONVENTION OF SCOTTISH
LOCAL AUTHORITIES**

Rosebery House
9 Haymarket Terrace
Edinburgh EH12 5XZ
Tel: 031 346 1222

**COUNCIL FOR ENVIRONMENTAL
EDUCATION (CEE)**

University of Reading
London Road
Reading RG1 5AQ
Tel: 0734 756061
Coordinating body for promotion of
environmental education.

**COUNCIL FOR THE PROTECTION
OF RURAL ENGLAND (CPRE)**

Warwick House
25 Buckingham Palace Road
London SW1W 0PP
Tel: 071 976 6433

**COUNCIL FOR THE PROTECTION
FOR RURAL WALES (CPRW)**

Ty Gwyn
31 High Street
Welshpool
Powys SY21 7JP
Tel: 0938 552525

COUNTRYSIDE COMMISSION

John Dower House
Crescent Place
Cheltenham
Glos GL50 3RA
Tel: 0242 521381

**COUNTRYSIDE COUNCIL FOR
WALES**

Plas Penrhos
Penrhos Road
Bangor
Gwynedd LL57 2LQ
Tel: 0248 370444

CYCLE CAMPAIGN NETWORK

Tress House
3 Stamford Street
London SE1 9NT
Tel: 071 928 7220

CYCLISTS TOURING CLUB (CTC)

Cotterell House
69 Mead Row
Godalming
Surrey GU7 3HS
Tel: 0483 417217
Association devoted to the protection of
cyclists interests - research and informa-
tion on cycling policy.

DEPARTMENT OF ENERGY

1 Palace Street
London SW1E 5HE
Tel: 071 238 3000

DEPARTMENT OF HEALTH

Richmond House
79 Whitehall
London SW1A 2NS
Tel: 071 210 3000

**DEPARTMENT OF THE
ENVIRONMENT (DOE)**

Air and Noise Division
Romney House
43 Marsham Street
London SW1P 3PY
Tel: 071 276 8322
& General Switchboard
Tel: 071 276 3000

**DEPARTMENT OF THE
ENVIRONMENT NORTHERN
IRELAND**

Parliament Buildings
Stormont, Upper Newtonards Road
Belfast BT4 3SS
Tel: 0232 763210

DEPARTMENT OF TRADE & INDUSTRY (DTI)

1 Victoria Street
London SW1H 0ET
Tel: 071 215 5000

DEPARTMENT OF TRANSPORT (DOT)

2 Marsham Street
London SW1P 3EB
Tel: 071 276 0800

DTI ENVIRONMENTAL ENQUIRY POINT

Tel: Freephone 0800 585794
(Warren Spring Laboratory)

EARTH RESOURCES RESEARCH (ERR) LTD

258 Pentonville Road
London N1 9JY
Tel: 071 278 3833
Investigation and promotion of environment and resource issues.

ENERGY EFFICIENCY OFFICE

Room C11/04 Dept of Enviro
2 Marsham Street
London SW1
Tel: 071 276 3837

ENERGY TECHNOLOGY SUPPORT UNIT (ETSU)

AERE Harwell
Didcot
Oxon OX11 0RA
Tel: 0235 821000
Research and information on renewable energy.

ENGLISH NATURE

Northminster House
Peterborough PE1 1UA
Tel: 0733 340345
Government body promoting nature conservation.

ENVIRONMENT COUNCIL ^{change} 19/4/93

21 ~~15A-23~~ Elizabeth Street
London SW1W 9RP 071 824 8411
Tel: 071 278 4736/7 Fax: 071 730 9941
Umbrella body for UK non-governmental environmental organisations.

ENVIRONMENTAL LAW FOUNDATION

Lincoln's Inn House
42 Kingsway
London WC2B 6EX
Tel: 071 404 1030
Fax: " " 1032
Organisation offering advice on environmental legislation

ENVIRONMENTAL TRANSPORT ASSOCIATION (ETA)

Old Post House
Heath Road
Weybridge
Surrey KT13 8RS
Tel: 0932 828882

ENVIRONMENTAL DATA SERVICES LTD (ENDS)

Finsbury Business Centre
40 Bowling Green Lane
London EC1R 0NE
Tel: 071 278 4745/7624

The Exploratory
Bristol Old Station
Temple Meads.
Bristol BS1 6QU.
Tel: 0272 252008.

FILTRATION SOCIETY

48 Springfield Road
Horsham
West Sussex
RH12 2PD
Tel: 0403 59419

FORESTRY COMMISSION

231 Corstorphine Road
Edinburgh EH12 7AT
Tel: 031 334 0303

**FOUNDATION FOR
INTERNATIONAL ENVIRONMENTAL
LAW & DEVELOPMENT (FIELD)**

Kings College London
Manresa Road
London SW3
Tel: 071 352 8123
Promotion and development of the use of
international environmental law.

FRIENDS OF THE EARTH

26-28 Underwood Street
London N1 7JQ
Tel: 071 490 1555
Campaigns on a range of local and
national environmental issues.

**FRIENDS OF THE EARTH
(SCOTLAND)**

72/74 Newhaven Road
Bonnington Mill Business Centre
Edinburgh EH6 5UG
Tel: 031 554 9977

FUEL INDUSTRY ASSOCIATION

Century House
100 High Street
Banstead
Surrey SM7 2NN
Tel: 0737 370077

GAMBICA (The Association for the
Instrumentation, Control & Automation
Industry in the UK)

Leicester House
8 Leicester Street
London WC2H 7BN
Tel: 071 437 0678

GREEN ALLIANCE

49 Wellington Street
London WC2E 7BN
Tel: 071 836 0341/8670
Information and coordination on environ-
mental policy.

GREENPEACE LTD

Canonbury Villas
London N1 2PN
Tel: 071 354 5100

**HEALTH AND SAFETY
COMMISSION (HSC)**

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF
Tel: 071 243 6000
Promotes the protection of people at work
and the public from industrial hazards.

**HEALTH AND SAFETY
EXECUTIVE (HSE)**

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF
Tel: 071 221 0870
Enforcement of health and safety law in
industrial premises.

**HEALTH EDUCATION
AUTHORITY**

Hamilton House
Mabledon Place
London WC1A 9TX
Tel: 071 383 3833

**HEATING AND VENTILATION
CONTRACTORS ASSOCIATION
(HCVA)**

ESCA House
34 Palace Court
Bayswater
London W2 4JG
Tel: 071 229 2488

**HM INSPECTORATE OF
POLLUTION**

Romney House
43 Marsham Street
London SW1P 3PY
Tel: 071 276 8061

HMIP NORTH DIVISION

Stockdale House
8 Victoria Road
Headingley Business Park
Leeds LS6 1PF
Tel: 0532 786636

HMIP NORTHERN IRELAND

Department of the Environment for
Northern Ireland
Calvert House
23 Castle Place
Belfast BT1 1FY
Tel: 0232 230560

HMIP SCOTLAND

Scottish Office, Environment Department
27 Perth Street
Edinburgh EH3 5RB
Tel: 031 244 3056

HMIP WEST DIVISION

Jupiter Road
Patchway
Bristol BS12 5SN
Tel: 0272 794671

**INDUSTRY COUNCIL FOR
PACKAGING AND THE
ENVIRONMENT**

Tenterden House
3 Tenterden Street
London W1R 9AH
Tel: 071 409 0949

**INSTITUTE FOR EUROPEAN
ENVIRONMENTAL POLICY (IEEP)**

158 Buckingham Palace Road
London SW1W 9TR
Tel: 071 824 8787
Analysis and promotion of environmental
policy in Europe.

INSTITUTE OF ACOUSTICS

PO Box 320
St Albans
Herts AL1 1PZ
Tel: 0727 48195

INSTITUTE OF ENERGY

18 Devonshire Street
London W1N 2AU
Tel: 071 580 7124

INSTITUTE OF PETROLEUM

61 New Cavendish Street
London W1M 8AR
Tel: 071 636 1004

**INSTITUTE OF ROAD TRANSPORT
ENGINEERS**

1 Cromwell Place
Kensington
London SW7 2JF
Tel: 071 589 3744

**INSTITUTE OF SOUND AND
VIBRATION RESEARCH**

The University of Southampton
Southampton SO9 5NH
Tel: 0703 595000

**INSTITUTION OF CIVIL
ENGINEERS**

1 Great George Street
London SW1P 3AA
Tel: 071 222 7722

**INSTITUTION OF
ENVIRONMENTAL HEALTH
OFFICERS (IEHO)**

~~Chadwick House~~ Chadwick Court
~~Rushworth Street~~ Hatfields, London
~~London SE1 0QT~~ SE1 8DJ
Tel: 071 928 6006

**INSTITUTION OF MECHANICAL
ENGINEERS (IMECHE)**

1 Birdcage Walk
London SW1H 9JJ
Tel: 071 222 7899

**INSTITUTION OF PLANT
ENGINEERS** Peter

77 Great ~~Smith~~ Street
London SW1P 2EZ
Tel: 071 233 2855

**INSTITUTION OF WASTES
MANAGEMENT**

9 Saxon Court
St Peters Gardens
Northampton NN1 1SX
Tel: 0604 20426

**INTERNATIONAL CENTRE FOR
CONSERVATION EDUCATION
(ICCE)**

Greenfield House
Guiting Power
Cheltenham GL54 5TZ
Tel: 0451 850777

Promotes the understanding of conserva-
tion and sustainable development world-
wide.

**INTERNATIONAL INSTITUTE FOR
ENVIRONMENT & DEVELOPMENT**

3 Endsleigh Street
London WC1H 0DD
Tel: 071 388 2117

Promotion of environment and economic
development.

**INVESTIGATION OF AIR
POLLUTION STANDING
CONFERENCE (IAPSC)**

Warren Spring Laboratory
Gunnels Wood Road
Stevenage
Herts SG1 2BX
Tel: 0438 741122

**LOCAL GOVERNMENT
MANAGEMENT BOARD**

41 Belgrave Square
London SW1X 8NZ
Tel: 071 235 6081

**LONDON BOROUGH
ASSOCIATION**

College House
Great Peter Street
London SW1P 3LM
Tel: 071 799 2477

Institute of Environmental
Assessments
0507 533444 (Lines.)

LONDON HAZARDS CENTRE

3rd Floor

Headland House

308 Gray's Inn Road

London WC1 8DS

Tel: 071 837 5605

Research and information on hazards in the workplace environment.

LONDON WASTE REGULATION AUTHORITY

Hampton House

20 Albert Embankment

London SE1 7TJ

Tel: 071 587 3000

**LOW FREQUENCY NOISE
SUFFERERS ASSOCIATION
(LFNSA)**

6 Hyatt Place

Shepton Mallet

Somerset BA4 5XY

Tel: 0749 345643

**LOW TEMPERATURE COAL
DISTILLERS' ASSOCIATION OF
GREAT BRITAIN LTD**

PO Box 21 Chesterfield

Derbyshire S44 6AB

Tel: 0246 822281/9

**MANCHESTER AREA POLLUTION
ADVISORY COUNCIL (MAPAC)**

Environmental Health Dept

Town Hall

Manchester M60 2JB

Tel: 061 234 5000

**MARINE CONSERVATION
SOCIETY**

9 Gloucester Road

Ross-on-Wye

Herefordshire HR9 5BU

Tel: 0989 66017

METEOROLOGICAL OFFICE

London Road

Bracknell

Berkshire RG12 2SZ

Tel: 0344 420242

**MIDLAND JOINT ADVISORY
COUNCIL FOR ENVIRONMENTAL
PROTECTION**

Environmental Health and Housing Dept

South Staffordshire District Council

Council Offices

Codsall

Wolverhampton WV8 1PX

Tel: 0902 846111 x 2217

**MINISTRY OF AGRICULTURE
FISHERIES & FOOD (MAFF)**

Whitehall Place

London SW1A 2HH

Tel: 071 270 8080

**MONITORING AND ASSESSMENT
RESEARCH CENTRE (MARC)**

The Old Coach House

Campden Hill

London W8 7AD

Tel: 071 376 1577

**MOTOR INDUSTRY RESEARCH
ASSOCIATION**

Watling Street

Nuneaton

Warwickshire CV10 0TU

Tel: 0203 348541

**NATIONAL ASSOCIATION OF
WASTE DISPOSAL CONTRACTORS
(NAWDC)**

Mount Barrow House

6-20 Elizabeth Street

London SW1W 9RB

Tel: 071 824 8882

**NATIONAL CONSUMER COUNCIL
(NCC)**

20 Grosvenor Gardens

London SW1W 0DH

Tel: 071 730 3469

Research and promotion of consumer
issues.

NATIONAL ENERGY FOUNDATION

Rockingham Drive

Linford Wood

Milton Keynes MK14 6EG

Tel: 0908 672787

NATIONAL POWER

Senator House

Queen Victoria Street

London EC4V 4DP

Tel: 071 454 9494

**NATURAL ENVIRONMENT
RESEARCH COUNCIL (NERC)**

Polaris House

North Star Avenue

Swindon SN2 1EU

Tel: 0793 411500

**NATURE CONSERVANCY
COUNCIL FOR SCOTLAND**

12 Hope Terrace

Edinburgh

Tel: 031 447 4784

**NATIONAL INDUSTRIAL FUEL
EFFICIENCY SERVICE LTD
(NIFES)**

NIFES House

Sinderland Road

Broadheath

Altrincham

Cheshire WA14 5HQ

Tel: 061 928 5791

**NATIONAL RADIOLOGICAL
PROTECTION BOARD (NRPB)**

Chilton

Didcot

Oxfordshire OX11 0RQ

Tel: 0235 831600

**NATIONAL RIVERS AUTHORITY
(NRA)**

30-34 Albert Embankment

London SE1 7TL

Tel: 071 820 0101

**NATIONAL TRUST for Places of
Historic Interest or Natural Beauty**

36 Queen Anne's Gate

London SW1H 9AS

Tel: 071 222 9251

**NEIGHBOURHOOD ENERGY
ACTION (NEA)**

2nd Floor

2/4 Bigg Market

Newcastle upon Tyne NE1 1UW

Tel: 091 261 5677

Aims to publicise and solve the problem
of fuel poverty.

NOISE ABATEMENT SOCIETY

PO Box 8, Bromley

Kent BR2 0UH

Tel: 081 460 3146

NOISE COUNCIL

16 Great Guildford Street

London SE1 0ES -has no tel. number.

NUCLEAR ELECTRIC PLC

Barnett Way

Barnwood

Gloucester GL4 7RS

Tel: 0452 652222

**NUCLEAR INDUSTRY
RADIOACTIVE WASTE
EXECUTIVE (NIREX)**

Harwell
Didcot
Oxon OX11 0RH
Tel: 0235 825500

**PARLIAMENTARY AND
SCIENTIFIC COMMITTEE**

30 Farringdon Street
London EC4A 4EA
Tel: 071 634 1480

PESTICIDES TRUST

23 Beehive Place
London SW9 7QR
Tel: 071 274 8895
To raise awareness of health and environmental implications of pesticides.

PLANTLIFE

Natural History Museum
Cromwell Road
London SW7 5BD
Tel: 071 938 9111
To protect and create plant-rich habitats.

POWERGEN

Haslocks Green Road
Shirley
West Mids B90 4PD
Tel: 021 701 2000

**ROYAL COMMISSION ON
ENVIRONMENTAL POLLUTION
(RCEP)**

Church House
Great Smith Street
London SW1P 3BZ
Tel: 071 276 2080

**ROYAL ENVIRONMENTAL
HEALTH INSTITUTE OF
SCOTLAND (REHIS)**

Virginia House
62 Virginia Street
Glasgow G1 1TX
Tel: 041 552 1533

**ROYAL INSTITUTE OF PUBLIC
HEALTH AND HYGIENE (RIPHH)**

28 Portland Place
London W1N 4DE
Tel: 071 580 2731/2

**RSNC WILDLIFE TRUST
PARTNERSHIP**

Whitham Park
Waterside South
Lincoln LN5 7JR
Tel: 0522 544400

**ROYAL SOCIETY FOR THE
PROTECTION OF BIRDS (RSPB)**

The Lodge
Sandy
Bedfordshire SG12 2DL
Tel: 0767 680551

**ROYAL METEOROLOGICAL
SOCIETY**

104 Oxford Road
Reading
Berks RG1 7LJ
Tel: 0734 568500

**SCOTTISH OFFICE,
ENVIRONMENT**

Environmental Protection Division
27 Perth Street
Edinburgh EH3 5RB
Tel: 031 556 8400

*Royal Geographical Society
1 Kensington Gore
London SW7 2AR.
Tel: 071 589 5466*

**SCOTTISH ENVIRONMENTAL
EDUCATION COUNCIL**

Biology Department
Paisley College
High Street
Paisley PA1 2BE
Tel: 041 848 3000

SCOTTISH NATIONAL HERITAGE

Battleby
Redgorton
Perth PH1 3EW
Tel: 0738 27921

**SCOTTISH RIVER PURIFICATION
BOARDS ASSOCIATION**

1 South Street
Perth PH2 8NG
Tel: 0738 27989

**SOCIETY OF BRITISH GAS
INDUSTRIES**

36 Holly Walk
Leamington Spa
Warwickshire CV32 4LY
Tel: 0926 334357/8/9

**SOCIETY OF MOTOR
MANUFACTURERS AND TRADERS**

Forbes House
Halkin Street
London SW1X 7DS
Tel: 071 235 7000

SOLAR ENERGY SOCIETY

Kings's College Kensington
Campden Hill Road
London W8 7AH
Tel: 071 333 4314

**SOLID SMOKELESS FUELS
FEDERATION**

Devonshire House
Church Street
Sutton-in-Ashfield
Nottinghamshire NG17 1AE
Tel: 0623 550411

**SOUND RESEARCH
LABORATORIES**

Holbrook House
Little Wardingfield
Sudbury
Suffolk CO11 0TH
Tel: 0787 247595

**STEEL CAN RECYCLING
INFORMATION BUREAU**

69 Monmouth Street
London WC2H 9DG
Tel: 071 379 1306

**THE NORTHERN IRELAND WATER
SERVICE HEADQUARTERS**

3 Frederick Street
Belfast BT1 2NS
Tel: 0232 244711

**THE RIGHT TO PEACE & QUIET
CAMPAIGN**

PO Box 968
London SE2 9RL
Tel: 081 312 9997

TIDY BRITAIN GROUP

The Pier
Wigan
Greater Manchester WN3 4EX
Tel: 0942 824620

South East Institute of Public Health
Broomhill House, David Salomon's Estate
Broomhill Road, Tunbridge Wells, TN3 0XT.
0892 515153

**TOWN AND COUNTRY PLANNING
ASSOCIATION (TCPA)**

17 Carlton House Terrace
London SW1Y 5AS

Tel: 071 930 8903/4/5

Campaigns to improve the environment
through effective planning.

TRANSPORT 2000

Walkden House

10 Melton Street

Euston, London NW1 2EJ

Tel: 071 388 8386

Promotion of environmentally sound and
socially responsible transport policies.

TRANSPORT ^{Research} LABORATORY

Department of Transport

Old Wokingham Road

Crowthorne

Berkshire RG11 6AU

Tel: 0344 773131

**UK CENTRE FOR ECONOMIC &
ENVIRONMENTAL
DEVELOPMENT (CEED)**

3e Kings Parade

Cambridge CB2 1SJ

Tel: 0223 67799

Promotion of sustainable development.

**UK ENVIRONMENTAL LAW
ASSOCIATION (UKELA)**

Stephen Lloyd, Secretary

c/o Bates, Wells and Braithwaite

61 Charterhouse Street

London EC1M 6HA

Tel: 071 251 1122

**UK PETROLEUM INDUSTRY
ASSOCIATION (UKPIA)**

9 Kingsway

London WC2B 6XH

Tel: 071 240 0289

**WARMER CAMPAIGN (Warmth and
Energy from Rubbish)**

83 Mount Ephraim

Tunbridge Wells

Kent TN4 8BS

Tel: 0892 524626

Promotion of the recovery of materials
and energy from household waste.

WARREN SPRING LABORATORY

Gunnels Wood Road

Stevenage

Herts SG1 2BX

Tel: 0438 741122

DTI laboratory researching in air pollu-
tion monitoring and abatement. DTI
Environmental Enquiry point: Freephone
0800 585 794

WASTEWATCH

68 Grafton Way

London W1P 5LE

Tel: 071 383 3320

Wasteline (advice and information
service): 071 388 4277

National Agency for the promotion of
recycling.

**WATCH Trust for Environmental
Education**

Whitham Park

Waterside South

Lincoln LN5 5JR

Tel: 0522 544400

WATT Committee on Energy

40 Grosvenor Place

London SW1X 7AE

Tel: 071 235 2565

Promotion of research and development
on all aspects of energy.

WOMEN'S ENVIRONMENTAL NETWORK

Aberdeen Studio
22 Highbury Grove
London N5 2EA
Tel: 071 354 8823

WORLDWIDE FUND FOR NATURE (WWF)

Panda House
Weyside Park
Godalming
Surrey GU7 1XR
Tel: 0483 426444

CLASSIFIED INDEX

Air Pollution

Atmospheric Research and Information Centre
Climate Action Network
Department of the Environment
Department of the Environment Northern Ireland
Friends of the Earth
Friends of the Earth (Scotland)
Greenpeace Ltd
Investigation of Air Pollution Standing Conference
Manchester Area Pollution Advisory Council
Midland Joint Advisory Council for Environmental Protection
Monitoring and Assessment Research Centre
Pesticides Trust
Warren Spring Laboratory
WATCH Trust for Environmental Education
Worldwide Fund for Nature

Built Environment

Building Research Establishment
Civic Trust
Institution of Civil Engineers
London Hazards Centre
Town and Country Planning Association

Consumer Issues

Consumers' Association
National Consumer Council

Countryside Conservation

Association for the Protection of Rural Scotland
Council for the Protection of Rural England
Council for the Protection of Rural Wales
Countryside Commission
Countryside Council for Wales
English Nature
Forestry Commission
Ministry of Agriculture, Fisheries and Food
Natural Environment Research Council
National Trust
Plantlife
RSNC Wildlife Trust
Royal Society for the Protection of Birds
Scottish National Heritage
Town and Country Planning Association
WATCH Trust for Environmental Education
Worldwide Fund for Nature

Development Issues

Centre for Alternative Technology
Earth Resources Research
Institute for European Environmental Policy

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International Centre for Conservation
Education

International Institute for Environment and
Development

UK Centre for Economic and
Environmental Development

Worldwide Fund for Nature

Energy

Association of British Solid Fuel Appliance
Manufacturers

Association for the Conservation of Energy

Atomic Energy Authority

British Coal

British Gas

British Nuclear Energy Society

British Wind Energy Association

Centre for Alternative Technology

Coal Research Establishment

Combined Heat and Power Association

Department of Energy

Energy Efficiency Office

Energy Technology Support Unit

Fuel Industry Association

Heating and Ventilation Contractors
Association

Institute of Energy

Institute of Petroleum

Low Temperature Coal Distillers'

Association of Great Britain Ltd

National Energy Foundation

National Power

National Industrial Fuel Efficiency Service

Neighbourhood Energy Action

Nuclear Electric plc

Nuclear Industry Radioactive Waste
Executive

PowerGen

Society of British Gas Industry

Solar Energy Society

Solid Smokeless Fuels Federation

UK Petroleum Industry Association

Warmer Campaign

Watt Committee on Energy

Environmental Education

Centre for Alternative Technology

Council for Environmental Education

International Centre for Conservation
Education

Scottish Environmental Education Council

WATCH Trust for Environmental
Education

Worldwide Fund for Nature

Environmental Law

Environmental Law Foundation

Foundation for International

Environmental Law and Development

UK Environmental Law Association

Environmental Policy

Confederation of British Industry

Environment Council

Green Alliance

Parliamentary and Scientific Committee

Royal Commission for Environmental
Protection

Women's Environmental Network

Health

Action on Smoking and Health

Asthma Society

British Lung Foundation

Department of Health

Health and Safety Commission

Health and Safety Executive

Health Education Authority

London Hazards Centre

National Radiological Protection Board

Pesticides Trust

Royal Environmental Health Institute of
Scotland

Royal Institute of Public Health and
Hygiene
Women's Environmental Network

Industrial

Asbestos Removal Contractors Association
British Combustion Equipment
Manufacturers Association
British Standards Institution
Confederation of British Industry
Department of Trade and Industry
Filtration Society
GAMBICA
Heating and Ventilation Contractors
Association
HMIP Industrial Pollution Inspectorate
for Scotland
HM Inspectorate of Pollution
HMIP Northern Division
HMIP Northern Ireland
HMIP West Division
Industry Council for Packaging and
the Environment
Institute of Energy
Institute of Petroleum
Institute of Road Transport Engineers
Institution of Mechanical Engineers
Institution of Plant Engineers
Motor Industry Research Association
Society of Motor Manufacturers and
Traders
Warren Spring Laboratory

Local Government

Association of County Councils
Association of District Councils
Association of Metropolitan Authorities
Convention of Scottish Local Authorities
Institute of Environmental Health
Officers
Local Government Management Board
London Boroughs Association

Manchester Area Pollution Advisory
Council
Midland Joint Advisory Council
Royal Environmental Health Institute
of Scotland

Meteorology

Atmospheric Research and Information
Centre
Climate Action Network
Meteorological Office
Royal Meteorological Society

Noise Pollution

Association for the Reduction of Aircraft
Noise
Association of Noise Consultants
Institute of Acoustics
Institute of Sound and Vibration Research
Low Frequency Noise Sufferers
Association
Midland Joint Advisory Council for
Environmental Protection
Noise Abatement Society
Noise Council
Sound Research Laboratories
The Right to Peace and Quiet Campaign
UK Environmental Law Association

Pesticides

Ministry of Agriculture Fisheries and
Food
Pesticides Trust

Research

Asthma Society
Atmospheric Research and Information
Centre
British Lung Foundation
Building Research Establishment

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Centre for Alternative Technology

Climate Action Network

Coal Research Establishment

Consumers' Association

Earth Resources Research

Institute for European Environmental Policy

International Institute for Environment
and Development

Monitoring and Assessment Research
Centre

Natural Environment Research Council

Royal Commission on Environmental
Pollution

Sound Research Laboratories

Warren Spring Laboratory

Transport

Airfields Environment Federation

Association for the Reduction of
Aircraft Noise

British Cycling Federation

British Road Federation

Cycle Campaign Network

Cyclists Touring Club

Department of Transport

Environmental Transport Association

Friends of the Earth

Greenpeace Ltd

Institute of Road Transport Engineers

Motor Industry Research Association

Society of Motor Manufacturers and
Traders

Transport 2000

Transport Laboratory

Waste/Recycling

Friends of the Earth

Greenpeace Ltd

Industry Council for Packaging and
the Environment

Institution of Waste Management

London Waste Regulation Authority

Nuclear Industry Executive

Steel Can Recycling Bureau

Tidy Britain Group

Warmer

Wastewatch

Worldwide Fund for Nature

Water

Department of the Environment

Greenpeace Ltd

Marine Conservation Society

National Rivers Authority

Northern Ireland Water Council

Scottish River Purification Boards
Association

WATCH Trust for Environmental
Education

INTERNATIONAL DIRECTORY

NATIONAL ORGANISATIONS

ARGENTINA

**Argentine Association Against
Environmental Contamination**

25 de Mayo 749

ler piso

1002 Buenos Aires

Tel: (+54-1) 342-4205

Fax: (+54-1) 962-5341

President: Dr Juan Carlos García
Fernandez

AUSTRALIA

**Clean Air Society of Australia and New
Zealand**

PO Box 191

Eastwood

New South Wales 2122

Tel: (+61-3) 867 2400

Fax: (+61-2) 858 3854

Secretary: Mr P Williams

AUSTRIA

**Austrian Society for Air & Soil
Pollution Prevention**

c/o Environmental Protection Agency

Spitellauer Laende 5

A-1090 Vienna

Tel: (+43-222) 31304-460

BRAZIL

**Brazilian Association for Ecology and
Air Pollution Prevention**

Rua Itapolis 1651

cep 01245 São Paulo SP

Tel: (+55-11) 259 8253

Fax: (+55-11) 650 930

President: Randolpho Marques Lobato
(Mail: PO Box 64586, cep 05497-970,
São Paulo)

CHINA

**Chinese Society of Environmental
Sciences (CSES)**

Xizhimennei Nanxiaojie 115

Beijing 100035

CROATIA

**Croatian Air Pollution Prevention
Association (CAPPA)**

Institute for Medical Research and
Occupational Health

University of Zagreb

Ksaverska c. 2

41000 Zagreb

Tel: (+38-41) 434 188

Fax: (+38-41) 274 572

President: Dr Radovan Halle

CZECH REPUBLIC

Czech Association of IUAPPA

Doubravcická 10

Praha 10 100 00

Czech Republic

Tel: (+42-2) 78 11 674

Fax: (+42-2) 78 11 674

FINLAND

**Finnish Air Pollution Prevention
Society**

PO Box 335

SF-00131 Helsinki

Tel: (+358-0) 45 66 159

Fax: (+358-0) 45 52 408

(Mail - Ms Merja Tolvanen, Technical
Research Centre, PO Box 206, SF-02151
Espoo)

76 International Directory

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c/o Engineering Sciences and
Technology Institute.
via all'Opera Pia 15
16145 - Genova~~

FRANCE

Association for the Prevention of Atmospheric Pollution

58 rue du Rocher

75008 Paris

Tel: (+33-1) 42 93 69 30

Fax: (+33-1) 42 93 41 99

President: M Pierre Gaussens

GERMANY

Commission on Air Pollution Prevention in VDI and DIN

Robert-Stolz-Strasse 5

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2 D-4000 Düsseldorf 1

Tel: (+49-11) 6214-532

Fax: (+49-211) 6214-157

Secretary: Dr -Ing Klaus Grefen

HONG KONG

The Hong Kong Institution of Engineers (HKIE)

9/F Island Centre

No 1 Great George Street

Causeway Bay

Tel: (+852) 895 4446

Fax: (+852) 577 7791

Secretary: Mr J Boyd

ISRAEL

Israel Society for Ecology and Environmental Quality Sciences (ISEEQS)

Department of Environmental Sciences

The Hebrew University

Jerusalem 91 904

Tel: (+972-2) 636841

Fax: (+972-2) 637260

ITALY Tel: +3910352916

Air Pollution Study Committee

c/o Istituto dueISAR

Via Assarotti 15/8 sc.B

16122 Genova

Tel: (+39-10) 89 939 22

Fax: (+39-10) 88 77 66

new address

ek

JAPAN

Japanese Union of Air Pollution Prevention Associations (JUAPPA)

c/o International Affairs Department

Industrial Pollution Control Association
of Japan

Hirokohji NDK Building, 5th Floor

17-6, Ueno 1-chome

Taitoh-ku, Tokyo 110

Tel: (+81-3) 3832 7084

Fax: (+81-3) 3832 7021

Secretary: Tatsuo Hiratani

KENYA

Kenya Energy and Environmental Organisations (KENGO)

Mwanzi Road

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280-17 Bulkwang-Dong

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Seoul 122-040

Tel: (+82-2) 358 1427

Fax: (+82-2) 355 3029

President: Prof Yong-Keun Lee

No reply to letters.

NETHERLANDS

Society for Clean Air in the Netherlands - CLAN

PO Box 6013

2600 JA Delft

Tel: (+31-15) 69 68 84

Fax: (+31-15) 61 31 86

Secretary: Dr J van Ham

NORWAY

Norwegian Clean Air Association

PO Box 2312 Solli

N-0201 Oslo

Tel: (+47-2) 838330

Secretary: Vigdis Ekeberg

ROMANIA

Romanian Society of Hygiene and Public Health

1-3 Dr Leonte Str.

76256 Bucharest

Tel: (+40-1) 6383970

Fax: (+40-1) 3123426

President: Prof Manole Cucu Md, PhD

SINGAPORE

Environmental Engineering Society of Singapore Clean Air Section

Kent Ridge

PO Box 1007

Singapore 9111

President: Prof K K Chin

SOUTH AFRICA

National Association for Clean Air (NACA)

PO Box 5777

Johannesburg 2000

Tel: (+27-11) 728 2418

Fax: (+27-11) 887 8110

Director: Mr R Stephenson

SLOVENIA

Union of the Societies for the Protection of the Environment in Slovenia

Celovska 43

Ljubljana 61000

Slovenia

TAIWAN

Environmental Protection Society

PO Box 9-5

Chung-Li 320

Taiwan

Tel: (+886-3) 425-6886

Fax: (+886-3) 425-3204

President: Prof Shih Chong Lu

TURKEY

Turkish National Committee for Air Pollution Research and Control (TUNCAP)

Dokuz Eylül University

Faculty of Engineering & Architecture

Department of Environmental

Engineering

Bornova 35100 - Izmir

Tel: (+90-51) 882108

Fax: (+90-51) 887864

President: Prof Dr Aysen Müezzinoğlu

USA

The Air and Waste Management Association

3 Gateway Centre

4 West

Pittsburgh

Pennsylvania 15222

Tel: (+1-412) 232-3444

Fax: (+1-412) 232 3450

Executive Vice-President: Martin E Rivers

(Mail: PO Box 2861, Pittsburgh, Pennsylvania 15230)

KUWAIT

Environmental Protection Council
PO Box 24395
13104 Safat
Kuwait
Tel: (+965) 245 2790/6835
Fax: (+965) 245 6836
Secretary General: Ibrahim M Hadi

SAUDI ARABIA

**Meteorology and Environmental
Protection Administration (MEPA)**
PO Box 1358
Jeddah 21431
Saudi Arabia
Tel: (+966-2) 6512312
Fax: (+966-2) 6511124

THAILAND

**Asia Society for Environmental
Protection (ASEP)**
c/o CDG-South East Asia Program Office
Asian Institute of Technology
GPO Box 2754
Bangkok 10501
Tel: (+66-2) 5245363/4
Fax: (+66-2) 5245390
President: Henry Chiu

INDIA

**Indian Association for Pollution
Control (IAAPC)**
1347/B-I
Vasant Kunj
New Delhi 110030
Tel: (+91-11) 6893952
Fax: (+91-11) 6893952
President: Prof J M Dave

MALAYSIA

**Environmental Protection Society,
Malaysia (EPSM)**
PO Box 382
46740 Petaling Jaya
Tel: (+60-3) 775 7767
Fax: (+60-3) 775 4039
President: Ir Gurmit Singh KS

PAKISTAN

**Pollution Control Society of SIND,
Karachi-Pakistan**
IV-D Ground Floor
Razia Commercial Centre
Nazimabad
Karachi - 18

PERU

**Peruvian Association for the
Prevention of Air Pollution**
Casilla No. 14.0246
Lima 14

INTERNATIONAL ORGANISATIONS

Commission of European Communities

Information Office
8 Storey's Gate
London SW1P 3AT
Tel: 071 973 1992

CONCAWE (Conservation of Clean Air and Water in Western Europe)

Madouplein 1
B1030 Brussels
Belgium
Tel: (+32-2) 222 03111

Council of Europe

Information Department
Palais de l'Europe
BP 431 R6
67006 Strasbourg Cedex
France
Tel: (+33) 88 61 49 61

European Environmental Bureau (EBB)

Rue de la Victoire
B-1060 Bruxelles
Belgium
Tel: (+32-2) 5390037
Fax: (+32-2) 5390921

European Parliament Information Office

2 Queen Anne's Gate
London SW1H 9AA
Tel: 071 222 0411

International Association on Water Quality

1 Queen Anne's Gate
London SW1H 9BT
Tel: 071 222 3848

Organisation for Economic Cooperation & Development (OECD)

2 rue Andre Pascal
75775 Paris Cedex 16
France
Tel: (+331) 45 24 82 00

The United Nations Economic Commission for Europe

Palais des Nations
CH-1211 Geneva 10
Switzerland
Tel: (+44 22) 985850

United Nations Environment Programme (UNEP)

Industry & Environment Office
Tour Mirabeau
39-43 quai Andre Citreon
75739 Paris
France
Tel: (+331) 45 78 33 33

UNEP, Nairobi

PO Box 30552
Nairobi
Kenya
Tel: (+2542) 333930

World Health Organisation

Division of Environmental Health
Avenue Appia
1211 Geneva 27
Switzerland
Tel: (+4122) 912111

Worldwatch Institute

1776 Massachusetts Avenue NW
Washington DC 20036
USA

DIRECTORY OF POLLUTION EQUIPMENT MANUFACTURERS, SUPPLIERS & CONSULTANTS

The following is a list of companies which manufacture or supply pollution control equipment and/or provide a consultancy service. Companies are listed in alphabetical order, with a classified index of specific services/products.

Inclusion of any company/product in this guide does not imply endorsement by NSCA.

AAF LTD

Bassington Lane
Cramlington
Northumberland NE23 8AF
Tel: 0670 713477
Fax: 0670 714370
Telex: 53491

Dust and fume control equipment including wet collectors, fabric filters, cartridge filters, electrostatic precipitators and gas scrubbers. Major installations in iron and steel, fertiliser, pharmaceutical and chemical industries.

ACOUSTICAL INVESTIGATION & RESEARCH ORGANISATION LTD (AIRO)

Duxons Turn
Maylands Avenue
Hemel Hempstead
Herts HP2 4SB
Tel: 0442 247146
Fax: 0442 256749

AIRO offers independent consultancy and measurement services for any scale of project in the fields of acoustics and noise/vibration control. AIRO's expertise includes environmental assessments in relation to various noise sources, architectural acoustics and presentation of expert testimony. AIRO is also accredited as a NAMAS TESTING Laboratory No 0483.

AIR IMPROVEMENT CENTRE LTD

23 Denbigh Street
London SW1V 2HF
Tel: 071 834 2834
Fax: 071 630 8485

Specialist suppliers and consultants on air purifiers, ionisers, humidifiers, dehumidifiers and mobile air conditioners. All leading makes supplied from stock. London showroom and shop. Nationwide despatch service.

ALDERLEY ENVIRONMENTAL CONSULTANTS LTD

Alderley House
Arnolds Field Estate
Wickwar
Gloucester GL12 8NP
Tel: 0454 299777
Fax: 0454 299720

Specialists in atmospheric environmental consultancy. Measurement and analysis of emissions gas, odour, dust and noise, computer dispersion modelling, design of abatement systems, environmental auditing, BS7750, expert witness in legal disputes.

ALFRED PETERS LTD

Bridlington Road
Hunmanby YO14 0PH
Tel: 0723 890141
Fax: 0723 891742

Manufacturers and suppliers of audiometric equipment; from very basic screening audiometers through to fully computerised audiometers. Also supply audiometric booths and sound level meters. Complete audiometer calibration kits available.

ALLOTT ENVIRONMENTAL PROCESSES LTD

Fairbairn House
Ashton Lane
Sale
Manchester M33 1WP
Tel: 061 962 6711
Fax: 061 969 5131
Telex: 667859 ALOMAX G

Specialists in bio and chemical process engineering for the treatment of water and effluents, and currently serves water companies, design and building contractors, and various industries producing textiles, food beverage, paper, chemicals and refined products.

AMBUCO PROCESS EQUIPMENT LTD

55 London Road
Raunds
Wellingborough
Northants NN9 6EH
Tel: 0933 624424
Fax: 0933 626400
Telex: 312305

Over 30 years experience in air pollution control systems; manufacturers of a wide range of equipment for dust and fume control including wet scrubbers, cyclones, multicyclones, fabric filters, close capture hoods and catalytic incineration systems for VOC emission control. Comprehensive consultancy service available with airflow and emission testing facilities.

ANACON CORPORATION LTD

Goodsons Industrial Mews
Wellington Street
Thame
Oxon OX9 3BX
Tel: 0844 216838
Fax: 0844 217720
Telex: 83424

Anacon markets a range of instruments for dust monitoring in ducts and stacks. The instruments use the light extinction principle to measure particulate. Instruments include microprocessor control providing calibrated output in mg/m^3 , data logging, bag failure detection, RS423 interface and can be used on stacks up to 10 metres in diameter.

ANALYTICAL AND ENVIRONMENTAL SERVICES LTD

Northumberland Dock Road
Wallsend
Tyne & Wear NE28 0QD
Tel: 091 295 0833
Fax: 091 295 5169

One of the largest environmental and scientific consultancies in the UK, offering a comprehensive air pollution monitoring service covering assessment, sampling, analysis and recommendations. Expertise also in inorganic, trace organic and microbiological analysis for liquids, semi-liquids, soils, solids and gaseous emissions. Other services offered include building hygiene and environmental assessment.

ARGUS ECOLOGICAL SERVICES LTD

Ecology Centre
Science Complex
University of Sunderland
Sunderland SR1 3SD
Tel: 091 515 2533
Fax: 091 515 2534

Biological pollution assessment and monitoring of freshwater; ecological survey, evaluation and impact assessment of aquatic and terrestrial habitats.

ASPINWALL & COMPANY

Walford Manor
Baschurch
Shrewsbury SY4 2HH
Tel: 0939 261144
Fax: 0939 261146

Aspinwall and Company are one of the UK's leading full service environmental management consultancies. Services include; contaminated land; air pollution; waste management; environmental impact assessment; water pollution; environmental auditing; land-use planning; landscape design; wastewater treatment; corporate strategy; policy and legislation; economic appraisal; occupational health; and information technology.

BABTIE ENVIRONMENTAL SCIENCES

95 Bothwell Street
Glasgow G2 7HX
Tel: 041 204 2511
Fax: 041 226 3109
Branches: Exeter, Preston, Croydon

Environmental consultants offering a comprehensive range of services including en-

vironmental assessment, air pollution control, IPC studies, waste audits, water quality studies, solid waste management and contaminated land advice. BES is fully supported by the Babbie group.

BASSAIRE LTD

Duncan Road
Swanwick
Southampton
Hants SO3 7ZS
Tel: 0489 885111
Fax: 0489 885211
Telex: 477605 BASAIR G

Clean room design and construction, and design and manufacture of a comprehensive range of clean air products including laminar flow, biohazard and fume cabinets, all to relevant British Standards, American Federal Standards and UK GMP.

BCRA SCIENTIFIC & TECHNICAL SERVICES LTD

Mill Lane
Wingerworth
Chesterfield
Derbyshire S42 6NG
Tel: 0246 209654
Fax: 0246 272247
Telex: 547061 CB WING G

Independent environmental/fuel consultants: stack emission/general air pollution measurement; COSHH assessment/monitoring; Environmental Protection Act audits; environmental impact evaluation; odour measurement/impact study; liquid effluent analysis; treatment plant design; troubleshooting; maintenance services etc; analysis of PAHs, dioxins and pesticides.

F. E. BEAUMONT LTD

Woodlands Road
Mere
Wiltshire BA12 6BT
Tel: 0747 860481
Fax: 0747 861076

Design, manufacture and installation of steel chimneys and associated items such as ducting. Also the provision of cyclones (smut inhibitors).

BELSTOCK CONTROLS

10 Moss Hall Crescent
Finchley
London N12 8NY
Tel: 081 446 8210
Fax: 081 446 6991

Laboratory and in-line particle size analysers covering a range of 0.7 to 1000 microns operating at full process concentrations without sampling or dilution. In line turbidimeters and suspended solids monitor covering range of 2 ppm to 20% solids. Environmental measuring units with six channels including temperature, humidity, pH, air velocity etc.

**BIOSYSTEMS
INTERNATIONAL LTD**

Empire House
Beauchamp Avenue
Kidderminster
Worcestershire DY11 7AQ
Tel: 0562 825800
Fax: 0562 825801

Biosystems International specialise in the application of effluent and wastewater treatment processes and resource recovery in the 'wet' processing industries. Services range from specialised consultancy and process design, to project management and the provision of turnkey on site facilities utilising dissolved air flotation and high rate activated sludge systems.

BLAKELL SYSTEMS LTD

Blandford Heights Industrial Estate
Blandford Forum
Dorset DT11 7TE
Tel: 0258 451353
Fax: 0258 480183
Telex: 41324 BLAKELL G

Manufacturers and suppliers of fixed gas detection equipment. Wall and rack mounted systems. BASEEFA certified sensors and uncertified detectors. Worldwide distribution/agent network.

BMT FLUID MECHANICS LTD

Orlando House
1 Waldegrave Road
Teddington
Middlesex TW11 8LZ
Tel: 081 943 5544
Fax: 081 943 5347
Telex: 263118

The company provides consultancy, physical and numerical modelling, field measurement and monitoring. Specialist areas include air quality, gas dispersion, flammability and environmental impact assessments. Assistance with authorisations under IPC legislation or technical aspects of litigation can also be provided. Other environmental services are also available within the BMT environment scope of activities.

CASELLA LONDON LTD

Regent House
Wolseley Road
Kempston
Bedford MK42 7JY
Tel: 0234 841441
Fax: 0234 841490
Telex: 827707

Worldwide manufacturer and supplier of environmental monitoring equipment: air

sampling equipment, including sampling pumps and heads; gas detection equipment, including fixed and portable monitoring systems; airborne bacteria samplers; asbestos analysis instrumentation; full range of meteorological instruments to measure temperature, pressure, humidity, rainfall, wind speed and wind direction.

CASTLE ASSOCIATES LTD

Salter Road
Cayton Low Road Industrial Estate
Eastfield
Scarborough
North Yorkshire YO11 3UZ
Tel: 0723 584250
Fax: 0723 583728

Castle Associates was established in 1971 and has since become a leader in noise measurement and control equipment. Other services include noise consultancy, training courses, instrument hire and calibration services.

CHARLES AUSTEN PUMPS LTD

100 Royston Road
Byfleet
Weybridge
Surrey KT14 7PB
Tel: 0932 355277
Fax: 0932 351285

Manufacturers of air pollution samplers for monitoring fugitive dust and particle emissions, ideal for open cast mining sites and metal industries and providing an economical means of measuring the effectiveness of an abatement control programme. Also supply pumps and gas meters for the National Smoke Survey.

CH2MHILL UNITED KINGDOM LTD

Westerly Point
Market Street
Bracknell
Berkshire RG12 1QB
Tel: 0344 360222
Fax: 0344 360966

An established international firm of consulting engineers and scientists providing a broad range of environmental services. Professional services in the air quality field include audits and emission inventories, compliance strategy, dispersion modelling and impact assessment, ambient and stack monitoring, abatement technology advice and budgetary assessments.

CIRRUS RESEARCH PLC

Acoustic House
Bridlington Road
Hunmanby
North Yorkshire YO14 0PH
Tel: 0723 891655
Fax: 0723 891742

Manufacturers and suppliers of sound level meters and associated equipment including calibrators, microphones, noise monitoring terminals - portable and fixed; frequency analysers, Leq meters, memory Leq metres, audiometers and indicators. Instruments from BS 5969 Type 3 to Type 1 produced.

CJB DEVELOPMENTS LTD

Airport Service Road
Portsmouth
Hants PO3 5PG
Tel: 0705 664911
Fax: 0705 697864
Telex: 86351 CJBDEVG

Design, manufacture and supply of VOC emission control and solvent vapour recovery plants.

**CLAYTON ENVIRONMENTAL
CONSULTANTS LTD**

288 Windsor Street
Heartlands
Birmingham B7 4DW
Tel: 021 359 5951
Fax: 021 359 7606

Independent environmental consulting services offered in: environmental audits, occupational hygiene, stack emission monitoring, water and waste treatment, contaminated land reclamation, asbestos management, water hygiene surveys and risk assessments. Extensively equipped laboratories with NAMAS accreditation for chemical and microbiological analysis.

**CONSULTANTS IN
ENVIRONMENTAL SCIENCES LTD**

Maunsell House
160 Croydon Road
Beckenham
Kent BE3 4DE
Tel: 081 663 6730
Fax: 081 663 6731

A consultancy, based in the UK and Hong Kong, which covers the full range of environmental topics. Extensive experience in both air quality monitoring and modelling. The monitoring covers both stack emissions and ambient air and the modelling includes experience in adapting or developing models for special situations.

**CORY ENVIRONMENTAL
MUNICIPAL SERVICES LTD**

Riverside
Charlton
London SE7 7SS
Tel: 081 858 2008
Fax: 081 858 2107

Provision of refuse collection, street cleaning and other contract services to municipal authorities and businesses.

DCE LTD

Humberstone Lane
Thurmaston
Leicester LE4 8HP
Tel: 0533 696161
Fax: 0533 693028
Telex: 342409 DUST G

Manufacturers and suppliers of dust control systems including the Unimaster range of intermittent motorised shaker cleaned fabric filters, the continuous operating reverse jet cleaned fabric (Dalamatric) range of filters and polymer-based (Sintamatic) range of filters.

DNV TECHNICA LTD

Lynton House
7/12 Tavistock Square
London WC1H 9LT
Tel: 071-388 2684
Fax: 071-387 3550
Telex: 22810 TECNIC G
Branches: Stockport, Aberdeen

A worldwide consultancy in the environment and safety fields which has done studies in the areas of environmental planning, environmental management, environmental audits, environmental risk analysis, environmental noise and vibration, air and water pollution studies and contaminated land studies.

**DONALDSON FILTER
COMPONENTS LTD**

Oslo Road
Sutton Fields Industrial Estate
Hull HU7 0YN
Tel: 0482 835213
Fax: 0482 835411
Telex: 59786

86 Manufacturers, Suppliers & Consultants

Manufacturers and distributors of pollution control devices for diesel engines specialised in the filtration of soot. All diesel engine applications especially bus, truck forklift and generator applications.

DONALDSON TORIT

65 Market Street
Hednesford
Staffordshire WS12 5AD
Tel: 0543 425515
Fax: 0543 879136

Manufacturers and suppliers of high efficiency reverse pulse cleaned cartridge filters, mechanical shake filters, portable weld fume filters and oil mist collection filter units. Complete site surveys and turnkey installations carried out to full COSHH requirements.

DUSTCHECK LTD

Unit 2
China Street
Fenton
Stoke on Trent ST4 3NJ
Tel: 0782 599454
Fax: 0782 599478

Dust control engineers, manufacturing a range of dust collectors. For all aspects of industrial dust control and air filtration using cartridge filter elements. Also designers, manufacturers and installers of complete systems. Provision of cartridge filter elements and associated cleaning systems for OEM users and dust collector designers.

DUSTRACTION LTD

PO Box 75
Mandervell Road
Oadby
Leicester LE2 5ND
Tel: 0533 713212
Fax: 0533 713215

Designers, manufacturers and installation of dust and fume control systems. Testing and servicing of all makes of dust and fume control systems.

EARTH SCIENCE SYSTEMS LTD

1 Barnfield Court
Harpenden
Herts AL5 5TL
Tel: 0582 766288
Fax: 0582 462011

Earth Science Systems is a distributor of radiation monitoring equipment including alphanuclear radon and thoron monitors designed for household monitoring. Gamma ray spectrometers and scintillometers from Exploranium of Canada are also supplied. Equipment is available both on a purchase and rental basis.

E HARPER (YORK) LTD

Cleveland
Carr Lane
Sutton-on-the-Forest
York YO6 1EY
Tel: 0347 810677
Fax: 0347 810801

An independent company with expertise in solving wet waste problems and finding final disposal facilities for difficult and hazardous wastes economically. Waste reduction at source and on site treatment equipment provided: ultrafiltration, electrolysis and biological. Deep sewer cleaning and confined space work undertaken safely using the latest equipment.

- EMISSION TECHNOLOGY LTD

16 Lansdown Crescent Lane
Cheltenham
Gloucestershire GL50 2LD
Tel: 0242 233330
Fax: 0242 242353

Provide customers with a complete solution to monitoring needs by providing a wide range of technologies for the determination and analysis of industrial emissions and environmental pollution. Products include fixed and portable analysers and systems for monitoring within the requirements of the Environmental Protection Act.

ENVIRONMENTAL ADVISORY UNIT LTD

Yorkshire House
Chapel Street
Liverpool
Merseyside L3 9AG

Tel: 051 255 1115

Fax: 051 258 1511

Branches: Colwyn Bay, Cardiff and Tamworth.

Multidisciplinary environmental consultancy with four sections operating in fields of: (1) Pollution services - contaminated land, landfill gas, occupational health and safety, environmental audit, noise, air emissions, effluent control, EPA authorisations and environmental management systems. (2) Terrestrial ecology. (3) Coastal ecology. (4) Aquatic ecology and pollution. All form parts of teams for environmental impact assessment. Work areas UK and overseas.

ENVIRO TECHNOLOGY SERVICES PLC

Environment House
Dudbridge Road
Stroud
Gloucestershire GL5 3EE
Tel: 0453 751641
Fax: 0453 757596

Builders and suppliers of air quality monitoring systems and equipment, including

ADNET 1000 networked monitoring stations and the OPSIS (DOAS) open-path multi-analytical system. Networking products include ADAMS software and the Indic Total Air Quality Management system for data integration, validation and monitoring.

~~ENVIRONMENTAL TECHNOLOGY CENTRE~~ INDUSTRIAL SERVICES

UMIST Environmental

PO Box 88

Sackville Street
Manchester M60 1QD

Tel: 061 200 3979

Fax: 061 200 3988

Specialists in air and water quality monitoring (including stack and ambient environments), analysis/assessment of contaminated land, air pollution modelling, waste water treatment, treatability and pilot scale studies, EPA advice and monitoring services backed up by full range of in-house analytical facilities.

ERG (AIR POLLUTION CONTROL) LTD

Enviro-Centre
Foundry Lane
Horsham
West Sussex RH13 5QG
Tel: 0403 271711
Fax: 0403 271671

Manufacturers of turnkey systems for removal and control of air pollution from dust, fume and industrial odours; comprising cyclones, packed towers, impingement tray scrubbers, Venturi scrubbers, demisters, dust collectors, fume extraction systems; water treatment plant, inhouse effluent treatment equipment available.

ERWIN SICK OPTIC-ELECTRONIC LTD

Waldkirch House
39 Hedley Road
St Albans
Herts AL1 5BN
Tel: 0727 831121
Fax: 0727 856767
Telex: 263631

Comprehensive range of in-situ instruments for the measurement of opacity, dust, various pollutant gases and gas velocity in stacks to meet the requirements of the Environmental Protection Act. Also available are emission computers/data loggers, an isokinetic stack sampling system for dust measurement and environmental sensors for motorway and tunnel applications.

FARR EUROPE

272 Kings Road
Tyseley
Birmingham B11 2AB
Tel: 021 707 8211
Fax: 021 706 9986

Air filters for industrial processing and air conditioning applications. Heavy duty air filtration for diesel engines, compressors, gas turbines and railway applications. Dust collection systems including safety monitoring filter to meet HSE and COSHH requirements.

FAST ENGINEERING LTD

Old Mill Industrial Estate
Antrim
Co Antrim
Northern Ireland BT41 4QE
Tel: 08494 28686
Fax: 08494 29929

Fastank emergency storage containers for liquid holding, decontamination of personnel and equipment and fire provision. The Fastank 2000 gls (10 m³) and Fastank Rapide 350 gls (1.5 m³) can be erected in minutes by one person without tools. They are light weight and can be hand carried into emergency situations. Disposable liners and other accessories are available.

FERGUSON & TIMPSON LTD

Thistle House
Selinas Lane
Dagenham
Essex RM8 1TB
Tel: 081 593 7611
Fax: 081 595 9241
Telex: 23371

Fluid sealing materials and products, flexible foams, noise control materials and acoustic enclosures, engineering maintenance products and protective clothing.

GREYSTONE ENVIRONMENTAL LTD

Robjohns Road
Chelmsford
Essex CM1 3TW
Tel: 0245 268461
Fax: 0245 490718

Greystone Environmental Ltd offers a consultancy, sampling and laboratory service in the field of environmental pollution. Subjects covered are waters and effluents, contaminated land, workplace atmosphere monitoring, stack gas monitoring, asbestos surveys and monitoring and microbiological monitoring.

HADEN DRYSYS ENVIRONMENTAL LTD

Swan Office Centre
1506-1508 Coventry Road
Yardley
Birmingham B25 8AD
Tel: 021 765 4040
Fax: 021 706 6865

VOC abatement and odour control systems based upon recuperative and regenerative thermal oxidisers, carbon and zeolite absorption and other associated techniques. We will integrate the optimum abatement plant into your particular process, providing you with the correct solution based upon capital and operating costs and ensuring compliance with legislation.

HASKEL ENERGY SYSTEMS LTD

North Hylton Road
Sunderland
Tyne and Wear SR5 3JD
Tel: 091 549 1212
Fax: 091 549 0911
Telex: 53624 HASKEL G

Jetflow airmovers for the auxiliary ventilation of confined spaces, sewers, oil storage tanks. To prevent the build up of toxic fumes or extract welding fumes. The units are fully portable and have no moving parts giving trouble free operation.

HAWCO LTD

Hawco House
Cathedral Hill Industrial Estate
Guildford
Surrey GU2 5YB
Tel: 0483 60606
Fax: 0483 575973
Telex: 859364

Specialists in temperature pressure and humidity instrumentation for sensing, measurement control and calibration. Equipment supplied includes PID controllers, computer based systems and individual sensors, switches or heating elements - over 2000 items available from stock.

HORIBA INSTRUMENTS LTD

Summerhouse Road
Moulton Park
Northampton NN3 1WD
Tel: 0604 671166
Fax: 0604 671080

Producer of analytical instrumentation for the measurement of pollution in both air and water. Now regarded as a market leader in Europe, Horiba has supplied a number of air pollution network systems and over 40 mobile laboratories.

INDUSTRIAL ACOUSTICS COMPANY LTD

Walton House
Central Trading Estate
Staines
Middlesex TW18 4XB
Tel: 0784 456251
Fax: 0784 463303
Telex: 25518

Europe's largest manufacturer of noise control products and systems. Over 30 years experience in solving environmental noise problems. Product range includes modular acoustic enclosures, barriers, doors, sound absorption systems and ventilation silencers etc.

**INSPECTORATE CASELLA
ENVIRONMENTAL**

Belmont House
Vicarage Road
Edgbaston
Birmingham B15 3EZ
Tel: 021 454 9922
Fax: 021 454 1881

International environmental consultants and laboratory service for atmospheric and water quality, investigation of contaminated land, environmental auditing and assessment, waste management, drilling contractors, environmental policy, occupational hygiene, asbestos management and training courses; laboratory services include chemical, microbiological and geotechnical analysis and testing in central or mobile laboratories.

JONES & ATTWOOD LTD

Titan Works
Stourbridge
West Midlands DY8 4LR
Tel: 0384 392181
Fax: 0384 371937
Telex: 338120

Suppliers of three proven systems to solve odour problems. PURAFIL - Dry scrubbing system using impregnated media, ideal for low concentrations. Certified performance for many gases. Free media analysis service and extensive application experience. LO-CAT - Wet scrubbing system specifically for hydrogen sulphide. Catalytic reaction produces sulphur. Also treats biogas and landfill gas. Very low operating cost. ECON-ABATOR - Catalytic oxidiser for burning VOCs and other complex odours at any concentration. Pelletised catalyst is fluidised to prevent poisoning.

LAND COMBUSTION

Dronfield
Sheffield S18 6DJ
Tel: 0246 417691
Fax: 0246 290274
Telex: 547360

Flue gas and dust emission monitoring. Land Combustion design and supply portable and fixed continuous monitoring analysers for both efficiency and environmental requirements of combustion processes. Products include CO, O₂, SO_x, NO_x, HCl, and dust monitors. Also flame monitors and acid dewpoint meters.

**LEIGH ANALYTICAL SERVICES
LTD**

1 Station Road
Four Ashes
Wolverhampton WV10 7DQ
Tel: 0902 790011
Fax: 0902 791650

Full environmental and analytical service, incorporating USBPA methodologies, COSHH monitoring and assessment, environmental and site assessments.

LUCAS CEL INSTRUMENTS LTD

35/37 Bury Mead Road
Hitchin
Herts SG5 1RT
Tel: 0462 422411
Fax: 0462 422511
Telex: 826615 CEL G

Lucas CEL manufactures a wide range of noise measurement instruments for both industrial and environmental applications. The range includes both Type 1 and 2 sound level meters, calibrators, noise dosimeters, analysers, software and allied equipment. Lucas CEL also provide a series of courses from an "Introduction to Noise" to sophisticated noise suppression measures.

MERZ AND MCLELLAN LTD

Amber Court
William Armstrong Drive
Newcastle Business Park
Newcastle upon Tyne
NE4 7YQ
Tel: 091 226 1899
Fax: 091 226 1104
Telex: 53561 AMBER G

Merz and McLellan is an independent and multi-disciplinary company of consulting engineers, providing a comprehensive electrical, mechanical, civil, structural, chemical and environmental engineering service, as well as project management and quality surveillance services, covering water and waste management and treatment, environmental impact assessments, and pollution control and safety studies.

METRA MARTECH LTD

Glenthorne House
Hammersmith Grove
London W6 0LG
Tel: 081 563 0666
Fax: 081 563 0040

European Data bank on centres of expertise in air, water and waste treatment (over 3,000 organisations). Special technically based market research and consultancy on environment and materials, in Europe and USA. Multilingual team. Government and private sector chemists.

MSA (BRITAIN) LTD

East Shawhead
Coatbridge ML5 4TD
Tel: 0236 424966
Fax: 0236 440881

Instrument division manufactures a wide range of gas monitoring systems and accessories. From simple wall mounted units to custom built multipoint process analysers with data logging telemetry, and alarm annunciation, capable of taking various types of executive actions. A wide range of toxic and combustible gases can be monitored.

NEDERMAN LTD

PO Box 503
91 Walton Summit
Bamber Bridge
Preston
Lancashire PR5 8AF
Tel: 0772 34721
Fax: 0772 315273

Nederman Ltd manufacture a comprehensive range of 'Capture at Source' fume, dust and exhaust extraction equipment. In addition there is an acoustic wall and workplace module system and also a wide range of self-retracting reels for most industrial applications requiring hoses and cables.

NEGRETTI AUTOMATION LTD

Stocklake
Aylesbury
Buckinghamshire HP20 1DR
Tel: 0296 395931
Fax: 0296 86400
Telex: 83285 NEGZAM G

Manufacturers and suppliers of environmental monitoring products for sampling for dusts, fume, vapours, other particulates and gases. Air Samplers operate from 10 millilitres/min up to 1800 litres minute. The company also manufacture industrial process control systems and diesel exhaust temperature monitoring systems.

PARMATIC BETEX LTD

69 Carwood Road
Sheffield S4 7SA
Tel: 0742 560066
Fax: 0742 423615

Design manufacture and installation of fume and dust extraction systems. COSHH inspection of systems and servicing. Manufacture of filters and associated equipment. Manufacturers of oil-water separators.

PARSONS ENGINEERING

Leamore Lane
Bloxwich
West Midlands WS2 7EB
Tel: 0922 404318
Fax: 0922 495991

All forms of gas scrubbing plant including packed towers, venturi scrubbers, horizontal multi stage spray scrubbers, carbon adsorption systems and incineration. Full turn-key and design facilities available in house.

PULSAR INSTRUMENTS LTD

Unit 2
Bridlington Road Industrial Estate
Hunmanby
North Yorkshire YO14 0PH
Tel: 0723 891662
Fax: 0723 891742

Manufacturers and suppliers of sound level meters and associated equipment including calibrators, microphones and noise limiting devices.

QUANTITECH LTD

Unit 3
Old Wolverton Road
Old Wolverton
Milton Keynes MK12 5NP
Tel: 0908 227722
Fax: 0908 227733

Sales and Service of environmental monitoring equipment for COSHH, EPA, VOC emissions monitoring and noise and vibration. Also offer an environmental hire programme on a wide range of portable analysers. Represent well known manufacturers such as Foxboro (Miran and OVA), Dasibi, Scintrex, EIT, Bernath Atomic and Rion of Japan.

RENDEL SCIENCE AND ENVIRONMENT LTD

Great Guildford House
30 Great Guildford Street
London SE1 0ES
Tel: 071 962 9884
Fax: 071 962 9885

An international consultancy of scientists and engineers undertaking all aspects of environmental management from auditing and assessment to planning, design and management of remedial works. Formerly the environmental arm of the GLC, this consultancy now has offices and undertakes projects across the UK and overseas.

RESEARCH ENGINEERS LTD

11-31 Orsman Road
London N1 5RD
Tel: 071 739 7811
Fax: 071 739 6615
Telex: 261973 RE LTD G

Manufacturers of portable gas detection and analysis equipment utilising flame ionisation technology. The range includes intrinsically safe and non-intrinsically safe units for monitoring low (parts per million) levels of hydrocarbon gases and vapours. Applications include stack emission measurement under EPA guidelines and landfill gas detection.

RIGIDON (UK) LTD

Air Pollution Control Division
Arnolds Field Estate
Wickwar
Gloucestershire GL12 8NP
Tel: 0454 294006
Fax: 0454 299095

Rigidon specialises in air pollution control systems for hazardous waste incinerators, HMIP regulated chemical processes, odour problems and high efficiency particulate removal. The company provides a complete turnkey service. Its principal products include wet electrostatic precipitators, bio filters, a comprehensive range of wet scrubbers and continuous monitoring systems.

ROBSON SERVICES LTD

Robson House
Ann Street
Bankfield Trading Estate
South Reddish
Stockport
Cheshire SK5 7PP
Tel: 061 480 1398/8087/9949
Fax: 061 480 4424

Supplier of equipment and accessories to the abrasive blast cleaning industry, including dust extraction systems, vacuum blast/dust recovery units, wet blast/dust suppressant units, air movers and breathing air filters.

ROTORK ANALYSIS LTD

Regal Way
Faringdon
Oxon SN7 7BX
Tel: 0367 242660
Fax: 0367 242700
Telex: 44301

Rotork Analysis Ltd is a wholly owned subsidiary of Rotork Plc specialising in the design and manufacture of gas analysers and systems for environmental monitoring, which include: ambient air pollution analysers (the only British manufacturer), emissions analysers, particulates sampling instrumentation, mobile and fixed site monitoring stations, calibration equipment and equipment rental.

SABRE GAS DETECTION

Matterson House
225 Ash Road
Aldershot
Hampshire GU12 4DE
Tel: 0252 342352
Fax: 0252 342203
Telex: 858251 SABRE G

Manufacturers and suppliers of fixed and portable gas detectors for oxygen, toxic and flammable gases. Suppliers of Komyo Kitagawa gas detector tubes and ancillary equipment for spot check, 10 minute and 8 hour TWA exposure monitoring. Suppliers of Gilian personal air sampling pumps.

SEVERN SCIENCE (INSTRUMENTS) LTD

Unit 4 Short Way
Thornbury Industrial Estate
Thornbury
Bristol BS12 2UT
Tel: 0454 414723
Fax: 0454 417101

The company designs, develops and manufactures gas sampling and analysis instrumentation for measuring constituents in stack gas and in ambient air. Standard units include direct reading analysers for sulphur trioxide, ammonia and hydrogen chloride, an impacimeter for measuring coarse particle emissions, and a very sensitive sulphur dioxide analyser (detection limit 0.2 ppb).

**SHANKS & MCEWAN (NORTHERN)
LTD**

A8 Edinburgh Road
Coatbridge ML5 4UE
Tel: 0236 433671
Fax: 0236 440801

Waste management and consultancy company offering collection, treatment, storage, disposal, recycling and reclamation facilities, contaminated land restoration, special wastes treatment and incineration. Registered to BS5750 parts 1 and 2 quality assurance standard.

SHAWCITY LTD

Pioneer Road
Faringdon
Oxon SN7 7BU
Tel: 0367 241675
Fax: 0367 242491

Instrumentation for stack monitoring, including automatic isokinetic stack sampling for particulates, VOCs, heavy metals etc., in accordance with British and US EPA standards, direct reading stack sampling instruments for NO_x, SO₂, CO etc. Indoor air quality datalogging unit measuring CO₂, temperature and humidity. Personal noise dosimeter with data logging and intrinsic safety.

**SICK, ERWIN OPTIC ELECTRONIC
LTD**

Waldkirch House
39 Hedley Road
St Albans
Herts AL1 5BN
Tel: 0727 831121
Fax: 0727 856767
Telex: 263631

Comprehensive range of in-situ instruments for the measurement of opacity, dust, various pollutant gases and gas velocity in stacks to meet the requirements of the Environmental Protection Act. Also available are emission computers/data loggers, an isokinetic stacksampling system for dust measurement and environmental sensors for motorway and tunnel applications.

SIEGER LTD

Hatch Pond House
4 Stinsford Road
Nuffield Estate
Poole
Dorset BH17 7RZ
Tel: 0202 676161
Fax: 0202 678011
Telex: 41138

The Sieger product range includes toxic and flammable, portable and fixed gas detection systems, infrared point and open path, conventional or digital communication, explosion proof or intrinsically safe certification. Sieger offer a complete range of customer services including product selection/place-ment advice, full service capability and gas awareness and product training.

SIMON MOOS UK LTD

Cleveland
Carr Lane
Sutton-on-the-Forest
York YO6 1EY
Tel: 0347 810677
Fax: 0347 810801

Suppliers and operators of various sludge reduction systems. Dewatering equipment can reduce volumes by 80%, economically converting wet sludge to dry waste. Contaminated water filtration successfully alleviates high cost and disposal problems. Mobile or static, most high solid content effluents can be treated.

SKC LTD

Unit 11
Sunrise Park
Higher Shaftesbury Road
Blandford Forum
Dorset DT11 8ST
Tel: 0258 480188
Fax: 0258 480184

Air sampling equipment for dust, gas, aerosols etc. within the workplace (COSHH) or EPA needs. Sampling pumps, sorbent tubes, passive badges, IOM head, calibration equipment, tedlar sampling bags. Full technical service and back-up including validation information on products.

TELEGAN LTD

Legion House
Godstone Road
Kenley
Surrey CR8 5YS
Tel: 081 668 8251
Fax: 081 660 8218

Telegan Ltd produce portable and fixed instruments to measure gases in the combustion process and for environmental applications. Gases measured include: O₂, CO, CO₂, NO, NO₂, NO_x, SO₂, Cl₂ and H₂S.

THERMO ELECTRON LTD

910 Birchwood Boulevard
Warrington
Cheshire WA3 7QN
Tel: 0925 813600
Fax: 0925 812138

Air pollution monitoring instrumentation. Analysers for ozone, carbon dioxide, sulphur dioxide, oxides of nitrogen, carbon monoxide and hydrocarbons are available. Mobile or static, integrated air quality systems with central microprocessor control and calibration may be custom built.

THOMSON MTS LTD

The Stocks
Cosgrove
Milton Keynes MK19 7JD
Tel: 0908 562925
Fax: 0908 561512

Consulting environmental scientists with NAMAS accredited laboratories for physical, chemical, microbiological analysis. Monitoring service: air, water, soil, gas, noise asbestos. Advice on compliance with Environmental Protection Act and COSHH assessments.

UNITED AIR SPECIALISTS (UK) LTD

Heathcote Way
Heathcote Industrial Estate
Warwick CV34 6LY
Tel: 0926 311621
Fax: 0926 315986

Manufacturers of the SMOG HOG® Electric Air Cleaner for the collection of welding fumes, oil mist and smoke within the factory workplace. Also SMOKEETER® for removing tobacco smoke in the indoor working and leisure environment. Collection efficiency enables cleaned air to be recirculated, thus obviating heat losses.

UNIVERSITY OF THE WEST OF ENGLAND

Faculty of Applied Science
Coldharbour Lane
Frenchway
Bristol BS16 1QY
Tel: 0272 763835/656261
Fax: 0272 763871

Analytical laboratories and monitoring services for air, water and land quality and contamination. Environmental audit and

96 Manufacturers, Suppliers & Consultants

field surveys. Industrial emissions measurement and waste audits. Hire of monitoring and survey equipment. Undergraduate and post-graduate training courses in environmental science, health, quality and resources management.

VALENTIN, DR F H H, CONSULTANT CHEMICAL & ENVIRONMENTAL ENGINEER

Elm Tree House
Letchworth Lane
Letchworth
Herts SG6 3ND
Tel: 0462 684940
Fax: 0462 671436

Services cover: odours, fumes, dust, effluents, ventilation, safety and health, environmental assessment, environmental audits and assessments, design, engineering, purchasing, erection, commissioning, problem solving, expert witness and associated legal work in courts and public enquiries, assistance in connection with Environmental Protection Act authorisations, insurance matters. Consultancy is registered for government assistance under Enterprise Consultancy Initiative Scheme.

WARDELL ARMSTRONG

Grove House Court *Lancaster Building*
11A King Street *High Street,*
Newcastle-under-Lyme *Newcastle-Lyme*
Staffordshire ST5 1EH *Staffs. ST5 1PQ*
Tel: 0782 ~~712700~~ *612626*
Fax: 0782 ~~712870~~ *662882*
Telex: 36607

Independent consultants for air, water and land pollution; contaminated land reclamation; environmental assessment; audit; min-

ing and waste disposal engineering. Experienced in the provision of advice to the public and private sectors regarding a wide range of activities associated with the use and development of land and natural resources.

WHATMAN SCIENTIFIC LTD

Whatman House
St Leonard's Road
20/20 Maidstone
Maidstone
Kent ME16 0LS
Tel: 0622 676670
Fax: 0622 677011
Telex: 965242

Whatman Scientific supplies high quality, high performance products for filtration and separation techniques. The product range includes cellulose glass microfibre and membrane filters as well as a number of specialised products for air pollution monitoring.

WIMPEY ENVIRONMENTAL LTD

Beaconsfield Road
Hayes
Middlesex UB4 0LS
Tel: 081 573 774
Fax: 081 848 1554
Telex: 935797

Wimpey Environmental provides a comprehensive and independent environmental consultancy service, from problem identification through to a cost-effective solution. Covering land, air, aquatic and built environments. The services of our professionally qualified staff are supported by the latest measurement technology and NAMAS accredited laboratories.

C LASSIFIED INDEX

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Parsons Engineering
Dr F H H Valentin

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CJB Developments Ltd
ERG (Air Pollution Control) Ltd
Farr Europe
Haden Drysys Environmental Ltd
Jones & Attwood Ltd
Parsons Engineering

ADSORPTION EQUIPMENT

Haden Drysys Environmental Ltd

AIR CONDITIONING EQUIPMENT

Air Improvement Centre Ltd

AIR IONIZERS

Air Improvement Centre Ltd

AIR MOVERS

Haskel Energy Systems Ltd
Robson Services Ltd

AIR POLLUTION CONTROL

AAF Ltd
Ambuco Process Equipment Ltd
CJB Developments Ltd
Donaldson Torit
Environmental Advisory Unit Ltd
ERG (Air Pollution Control) Ltd
Haden Drysys Environmental Ltd
Parmatic Betex Ltd
Parsons Engineering
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Rigidon (UK) Ltd
United Air Specialists (UK) Ltd
Dr F H H Valentin

AIR POLLUTION MEASURING

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Environmental Technology Centre
Industrial Services
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Inspectorate Casella Environmental Ltd
Rendel Science & Environment Ltd
Rotork Analysis Ltd
SKC Ltd
Thermo Electron Ltd

AIR POLLUTION MONITORING

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BCRA Scientific & Technical Services Ltd
BMT Fluid Mechanics Ltd
Casella London Ltd
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Consultants in Environmental Sciences Ltd
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Quantitech Ltd
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Thermo Electron Ltd
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Severn Science (Instruments) Ltd

ANALYSERS: FLUE GAS

Severn Science (Instruments) Ltd

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Horiba Instruments Ltd
Land Combustion
MSA (Britain) Ltd
Research Engineers Ltd
Rotork Analysis Ltd
Severn Science (Instruments) Ltd
Shawcity Ltd
Telegan Ltd

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Enviro Technology Services plc
Land Combustion
Rotork Analysis Ltd
Shawcity Ltd
Telegan Ltd

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Belstock Controls
Enviro Technology Services plc
Horiba Instruments Ltd
Rotork Analysis Ltd

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Sieger Ltd

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University of the West of England

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Environmental Advisory Unit Ltd
Greystone Environmental Ltd
Inspectorate Casella Environmental Ltd
Rendel Science & Environment Ltd
Thomson MTS Ltd
Wimpey Environmental Ltd

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Donaldson Torit

Dustraction Ltd

ERG (Air Pollution Control) Ltd

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DUST FREE**

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BOILER FEEDWATER EQUIPMENT

ERG (Air Pollution Control) Ltd

Parsons Engineering

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Robson Services Ltd

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Parsons Engineering

BURNERS: WASTE-FIRED

Parsons Engineering

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Donaldson Torit

Dustcheck Ltd

Farr Europe

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ERG (Air Pollution Control) Ltd

Jones & Attwood Ltd

Parsons Engineering

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Negretti Automation Ltd

Rendel Science & Environment Ltd

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Wardell Armstrong

Wimpey Environmental Ltd

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Wardell Armstong

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CONSULTANTS: WASTE

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CONSULTANTS: WATER

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Sieger Ltd

DETECTORS: SO₂

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MSA (Britain) Ltd
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Earth Science Systems Ltd

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Quantitech Ltd
Sabre Gas Detection Ltd
Sieger Ltd
Thermo Electron Ltd

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Dustcheck Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
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Nederman Ltd

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Nederman Ltd
Robson Services Ltd

DUST EXTRACTION: GENERAL

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Emission Technology Ltd

Enviro Technology Services plc
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Horiba Instruments Ltd
Land Combustion
Quantitech Ltd
Rotork Analysis Ltd
SKC Ltd

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Casella London Ltd
Negretti Automation Ltd
Rotork Analysis Ltd
Sabre Gas Detection Ltd
Shawcity Ltd
SKC Ltd

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ERG (Air Pollution Control) Ltd
Fast Engineering Ltd
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United Air Specialists (UK) Ltd

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CLEANERS**

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Argus Ecological Services Ltd

Aspinwall & Company

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Inspectorate Casella Environmental Ltd

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Metra Martech Ltd

Rendel Science & Environment Ltd

Wardell Armstrong

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Aspinwall & Company

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Wardell Armstrong

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Belstock Controls

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Wardell Armstrong

ENVIRONMENTAL MANAGEMENT

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DCE Ltd

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Dustcheck Ltd
Farr Europe
Whatman Scientific Ltd

FILTERS: DUST

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DCE Ltd
Dustcheck Ltd
Farr Europe

FILTERS: MEMBRANE

Whatman Scientific Ltd

FILTERS: OIL MIST

AAF Ltd
Donaldson Torit

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Whatman Scientific Ltd

FILTERS: WATER

Whatman Scientific Ltd

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DEVICE**

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Land Combustion
MSA (Britain) Ltd
Quantitech Ltd
Rotork Analysis Ltd

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Rotork Analysis Ltd
Shawcity Ltd
SKC Ltd

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Parsons Engineering

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Nederman Ltd
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MSA (Britain) Ltd
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Research Engineers Ltd
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Parsons Engineering

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Hawco Ltd

HEATERS: INFRA-RED

Hawco Ltd

HUMIDIFIERS

Air Improvement Centre Ltd

HUMIDITY CONTROLLERS

Hawco Ltd

HUMIDITY RECORDERS

Hawco Ltd

INCINERATORS

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CJB Developments Ltd

Haden Drysys Environmental Ltd

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INDICATORS: HUMIDITY

Hawco Ltd

INDICATORS: SOUND LEVEL

Alfred Peters Ltd

Castle Associates Ltd

Cirrus Research plc

Pulsar Instruments Ltd

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Bassaire Ltd

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Enviro Technology Services plc

Horiba Instruments Ltd

Rotork Analysis Ltd

Thermo Electron Ltd

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Thermo Electron Ltd

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Ferguson & Timpson Ltd

NOISE SUPPRESSION

Industrial Acoustics Company Ltd

Rendel Science & Environment Ltd

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Alfred Peters Ltd

Cirrus Research plc

Environmental Advisory Unit Ltd

Lucas CEL Instruments Ltd

Pulsar Instruments Ltd

Rendel Science & Environment Ltd

Wimpey Environmental Ltd

NOISE/VIBRATION: CONTROL SYSTEMS

Cirrus Research plc
Industrial Acoustics Company Ltd
Pulsar Instruments Ltd

NOISE/VIBRATION: MEASURING EQUIPMENT

Alfred Peters Ltd
Castle Associates Ltd
Cirrus Research plc
Earth Science Systems Ltd
Lucas CEL Instruments Ltd
Pulsar Instruments Ltd
Quantitech Ltd
Shawcity Ltd

NO_x ANALYSERS

Erwin Sick Optic-Electronic Ltd

ODOUR ABSORPTION

AAF Ltd
ERG (Air Pollution Control) Ltd
Jones & Attwood Ltd
Parsons Engineering
Dr F H H Valentin

ODOUR ASSESSMENT

Inspectorate Casella Environmental Ltd

ODOUR CONTROL

Alderley Environmental Consultants Ltd
Ambuco Process Equipment Ltd
Haden Drysys Environmental Ltd
Jones & Attwood Ltd
Parsons Engineering
Rigidon (UK) Ltd
Dr F H H Valentin

OIL MIST ELIMINATORS

AAF Ltd

OIL SPILLAGE: CONTROL/RECOVERY EQUIPMENT

Fast Engineering Ltd

OPACITY MONITORS

Erwin Sick Optic-Electronic Ltd

OXYGEN ANALYSERS

Erwin Sick Optic-Electronic Ltd

PACKED TOWERS

Parsons Engineering

PARTICLE SIZE ANALYSIS FACILITIES

Analytical and Environmental Services Ltd
Belstock Controls
Inspectorate Casella Environmental Ltd
Rendel Science & Environment Ltd

pH APPARATUS

Horiba Instruments Ltd
Sieger Ltd

POLLUTION CONTROL ADVISORY SERVICES

AAF Ltd
Allott Environmental Processes Ltd
Biosystems International Ltd
Environmental Advisory Unit Ltd
Inspectorate Casella Environmental Ltd
Dr F H H Valentin
Wardell Armstrong

POLLUTION MONITORING: EQUIPMENT HIRE

Emission Technology Ltd
Enviro Technology Services plc
Inspectorate Casella Environmental Ltd
Lucas CEL Instruments Ltd
Quantitech Ltd
Thermo Electron Ltd
University of the West of England

PROCESS INSTRUMENTATION

Negretti Automation Ltd

PUMPS

Charles Austen Pumps Ltd

RADIATION DETECTION AND MONITORING

Earth Science Systems Ltd

Rendel Science & Environment Ltd

Thermo Electron Ltd

RESEARCH AND DEVELOPMENT FACILITIES

Acoustical Investigation & Research
Organisation Ltd (AIRO)

SCRUBBERS

AAF Ltd

ERG (Air Pollution Control) Ltd

Parsons Engineering

Rigidon (UK) Ltd

SEWAGE TREATMENT PLANT

Allott Environmental Processes Ltd

SEPARATORS: LIQUID

Parmatic Betex Ltd

SILENCERS

Industrial Acoustics Company Ltd

Parsons Engineering

SITE INVESTIGATION

BCRA Scientific & Technical Services Ltd

Earth Science Systems Ltd

Inspectorate Casella Environmental Ltd

Rendel Science & Environment Ltd

University of the West of England

Wardell Armstrong

SMUT INHIBITORS

F E Beaumont Ltd

SOLVENT RECOVERY PLANT

AAF Ltd

CJB Developments Ltd

Parsons Engineering

SPECTROMETERS

Thermo Electron Ltd

STACK EMISSIONS: MONITORING EQUIPMENT

Consultants in Environmental Sciences Ltd

Emission Technology Ltd

Enviro Technology Services plc

Erwin Sick Optic-Electronic Ltd

Horiba Instruments Ltd

Inspectorate Casella Environmental Ltd

Land Combustion

MSA (Britain) Ltd

Research Engineers Ltd

Shawcity Ltd

Telegan Ltd

Thermo Electron Ltd

SULPHUR DIOXIDE ANALYSERS

Erwin Sick Optic-Electronics Ltd

SULPHUR DIOXIDE REMOVAL SYSTEMS

Parsons Engineering

SULPHUR RECOVERY PLANT

Jones & Attwood Ltd

SUSPENDED SOLIDS MONITORS

Belstock Controls

TANKS AND TANK LININGS

Fast Engineering Ltd

Parsons Engineering

TEMPERATURE RECORDERS

Hawco Ltd

THERMAL OXIDISERS

Haden Drysys Environmental Ltd

THERMOMETERS, INDICATORS, etc

Hawco Ltd

THERMOSTATS

Hawco Ltd

TRAINING COURSES

Lucas CEL Instruments Ltd

Rendel Science & Environment Ltd

Sieger Ltd

TURBIDIMETERS

Belstock Controls

UNIT DUST COLLECTORS

AAF Ltd

DCE Ltd

Dustcheck Ltd

Dustraction Ltd

Nederman Ltd

United Air Specialists (UK)

VACUUM PUMPS AND EQUIPMENT

Charles Austen Pumps Ltd

Severn Science (Instruments) Ltd

VENTILATORS

Parsons Engineering

VENTURI SCRUBBERS

AAF Ltd

Ambuco Process Equipment Ltd

ERG (Air Pollution Control) Ltd

Parsons Engineering

VIBRATION METERS

Castle Associates Ltd

VOC ABATEMENT PLANT

Haden Drysys Environmental Ltd

VOC DETECTORS

Research Engineers Ltd

VOC MONITORING EQUIPMENT

Emission Technology Ltd

WASTE DISPOSAL CONTRACTORS

Cory Environmental Municipal Services Ltd

E Harper (York) Ltd

Shanks & McEwan (Northern) Ltd

WASTE DISPOSAL EQUIPMENT

Shanks & McEwan (Northern) Ltd

WASTE PURIFICATION

BCRA Scientific & Technical Services Ltd

WATER TREATMENT PLANT

Allott Environmental Processes Ltd

Biosystems International Ltd

Clayton Environmental Consultants Ltd

ERG (Air Pollution Control) Ltd

Fast Engineering Ltd

WELDING FUME EXTRACTION

Nederman Ltd

WET ARRESTORS

AAF Ltd

Dustraction Ltd

WET SCRUBBERS

Parsons Engineering

CSIA

Comitato Nazionale di Studio per l'Inquinamento Atmosferico

dell'Associazione Termotecnica Italiana (ATI)

Membro della International Union of Air Pollution Prevention Associations (IUAPPA)



(copy) LM

Il Presidente

Dr. J. Langston
Director General
IUAPPA
136, North street
BRIGHTON BN1 1RG
ENGLAND

Sally
for
mem
HB

RECEIVED 3 JUN 1993

Genoa, 26th may 1993

SUBJECT: CSIA-ATI OFFICES CHANGES

Dear Sir,

we wish to inform you that starting **Thursday June 1st 1993** CSIA-ATI Offices, actually located in via Assarotti 15/8 - sc.B - 16122 Genova, will be transferred at the CSIA Presidency Office.

All the future correspondances should be therefore mailed at the following address:

CSIA-ATI
c/o Engineering Sciences and
Technology Institute
via all'Opera Pia 15
16145 - Genova (Italy)
Telephone n.: +39103532916 - +39103532935
Telefax n.: +39103532586

for the attention of the President Prof. Giuseppe Ferraiolo.

Please inform all the interested Members of IUAPPA.

Yours Sincerely
Prof. Ing. Giuseppe Ferraiolo
President CSIA-ATI

AB/lis

+ postal code
for
Germany
is now
D-40002



1994

MEMBERS HANDBOOK

national society for clean air
and environmental protection



1994

MEMBERS HANDBOOK

ISSN 0140-6787

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The National Society for Clean Air and Environmental Protection
136 North Street - Brighton BN1 1RG
Telephone: 0273 326313 Fax: 0273 735802

Enviro Technology Services plc

STANDARD OPSIS SYSTEM PACKAGES

For Local Authorities

For air quality monitoring, the AR500LA measures both criteria pollutants and hydrocarbons. The standard package measures Benzene, Toluene, NO_2 , SO_2 and O_3 .
Upgradeable to include other gases.

For Emissions Monitoring

Standard packages are available for non-extractive emissions monitoring of incinerators or combustion plant. One system will operate up to twelve lightpaths, monitoring several points in a process and/or multiple stacks. Systems will measure NO , NO_2 , SO_2 , CO_2 , H_2O , HCl , Hg , NH_3 and others.

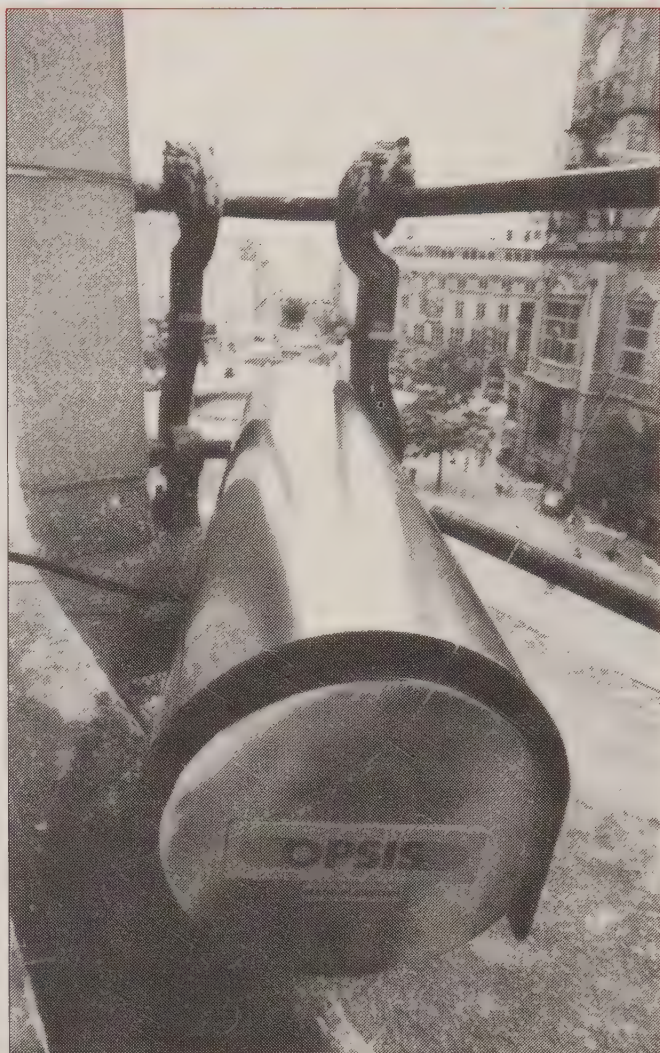
Opsis also accepts process inputs (flow, temperature, pressure etc) allowing a full range of CEM reports for HMIP etc.

Upgradeable to include other gases.

Emissions Computers

Running OPSIS' EmVision and Stat 500 software, these computers will accept logged data from multiple inputs for a full range of display, reporting and statistical functions on air quality or process emissions.

Opsis' Approvals include TÜV and UMEG.



Enviro Technology Services plc,
Environment House, Dudbridge Road, Stroud, Glos GL5 3EE
Tel: (0453) 751641 Fax: (0453) 757596

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NSCA STAFF

SECRETARY GENERAL - Dr. R.N. (Tom) Crossett

ADMINISTRATION

Administration Manager - Peter J. Mitchell

Committee Administration/Secretary - Wendy Messer

Membership, Sales and Conference Registrations - Kathy Lennon

EDITORIAL and INFORMATION

Editor - Loveday Murley

Information and Press Officer - Tim Brown

Information, Education and Assistant Editor - Mary Stevens

Administration - Sally May

Administration/Public Relations Officer - Scottish Division - Clare Carruthers

NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

NSCA is a non-governmental organisation and a registered charity. Its origins date back to the Coal Smoke Abatement Society founded in 1899. In the past decade the interests of the Society have expanded considerably and its work now covers all aspects of air and noise pollution as well as water.

AIMS

NSCA aims to secure environmental improvement through the reduction of air pollution, noise and other contaminants, while having due regard for other aspects of the environment. NSCA advances the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention. The Society is funded by members' subscriptions, donations and monies raised by activities.

MEMBERSHIP

The members of NSCA are private individuals, local authorities, educational establishments, professional institutions and the fuel and other industries.

ORGANISATION

The elected Council is the Society's governing body and an administrative staff headed by the Secretary General is employed. The Society is divided into geographical divisions which organise meetings and activities at a regional level. There are five national committees of nominated members and co-opted specialists. Working groups are set up to consider specific issues as the need arises.

POLICY

The Society is recognised nationally and internationally for its balanced arguments, response to issues, integrity and promotion of public education. Policy discussion and formulation is initiated by NSCA Divisions and at the annual conference as well as within the governing Council. Policy details are evolved by the appropriate standing committee.

ACTIVITIES

NSCA makes representations to government, other authorities and agencies and industry on all matters relating to air pollution, noise, waste and other environmental issues. This includes the drafting of legislation and standards, technical matters and local and national issues. NSCA organises conferences and workshops, produces a wide range of information and educational publications and regular briefings on current issues.

INFORMATION AND PUBLICATIONS

The Society has an extensive library and its information department, which is part funded by the Department of Environment, provides a service to both members and to the public. Publications include a range of leaflets covering current issues and legislation, the annual Pollution Handbook and quarterly journal Clean Air; NSCA also publishes the papers presented at its annual conference, technical papers and occasional reports and surveys.

HONORARY OFFICERS

President

Professor The Lord Lewis, KT, FRS

Immediate Past President

The Baroness Platt of Writtle, CBE, DL, FEng

Vice-Presidents

Ken Collins, MEP

The Rt Hon The Earl of Cranbrook

Wayne David, MEP

John Edmonds

Dr Caroline Jackson, MEP

Robert Jones, MP

Air Commodore John Langston, CBE

Sir John Mason, CB, DSc, FRS

The Right Hon Lord Nathan

Sir Hugh Rossi

John Speirs

Gareth Wardell, MP

Honorary Treasurer

R. Hill

Chairman of Council

K.G. Kaufman, MIEH

Deputy Chairmen

Cllr Dr J.R.P. Evans, MEd, MBIM, ACP, LRSC, PhD,

G.W. Barrett

Immediate Past Chairman

Professor J.S. Harrison

BSc, DLC, FRSC, FInstE, FInstChemEng, CChem, CEng

ELECTED REPRESENTATIVES FROM NSCA DIVISIONS

SCOTLAND - 3 representatives

Mr. C. MacDonald - Cllr D. Munn - Mr. K. Thomas

NORTHERN IRELAND - 1 representative

Mr. M. Fleming

NORTHERN - 4 representatives

Mr. K. Atkinson - Cllr D. Greaves - Mr. J.A. Mann - Cllr L. Poole

NORTH WEST - 8 representatives

Mr. A.R. Bryant - Mr. K.G. Kaufman - Cllr. K. Leyden - Mr. K. Roberts -
Mr. J.B. Simpson - Cllr J. Smith - Mr. R.N. Turner - Cllr. W. Weightman

YORKSHIRE AND HUMBERSIDE - 4 representatives

Cllr. J.M. Bramley - Mr. S.G. Carden - Cllr J. Carr - Mr. F. Price

WEST MIDLANDS - 4 representatives

Mr. G. Colling - Mr. C. Fry - Cllr W.J. Hancox - Mr. T. Townsend

EAST MIDLANDS - 5 representatives

Mr. R.S. Chamberlain - Mr. K.R. Enderby - Cllr Mrs. J. Inglefield - Cllr W.K. Williams
(1 vacancy)

SOUTH EAST - 12 representatives

Dr R.A. Barnes - Mr. J.J. Beagle - Mr. J. Boddy - Mr. P. Cooney - Mr. S. Hickmott -
Mrs. E.M.L. Naylor - Mr. A.J. Rees - Mr. J.N. Rice - Dr. M.J.R. Schwar -
Prof. R.S. Scorer - Mr. F.J. Smith - Mrs. B.J. Solkhon

SOUTH WEST - 4 representatives

Mr. K. Horton - Dr. R. Lawson - Dr. D. Laxen - Mr. H. Nowell

SOUTH AND MID WALES - 4 representatives

Cllr Dr. J.R.P. Evans - Mr. T. Jones - Cllr H.I. Thomas - Mr. R. West

APPOINTED REPRESENTATIVES OF NATIONAL BODIES

British Coal - Mr. P.W. Sage

British Gas - Dr F.E. Shephard

British Steel - Mr. D.A. Harrison

UK Centre for Economic and Environmental Development - Mr. D.R. Cope

Institution of Environmental Health Officers - Mr. A. Taylor

Institution of Gas Engineers - Mr. S. Pearson

National Power - Dr. N.A. Burdett

PowerGen - Mr. G.W. Barrett

Solid Smokeless Fuels Federation - Mr. I. Mackay

The Institute of Petroleum - Mr. J. Phipps

STANDING COMMITTEES

The President, Honorary Treasurer, Chairman, Deputy Chairmen and Immediate Past Chairman are all ex-officio members of all five standing committees.

The Chairman of the Conference and Promotions Committee, the Parliamentary and Local Government Committee, the Technical Committee and the National Noise Committee are ex-officio members of the Finance and Administration Committee.

Finance and Administration Committee

Chairman: Cllr Dr. J.R.P. Evans (ex officio)

Deputy Chairman: to be elected

Mr. T. Jones - Chairman, Parliamentary and Local Government Committee

Dr. K. Gregory - Chairman, Technical Committee

Mrs. B.J. Solkhon - Chairman, Conference and Promotions Committee

Mr. A.J. Rees - Chairman, National Noise Committee

Mr. S.G. Carden - Cllr D. Greaves - Cllr. K. Leyden - Cllr D. Munn - Mr. H. Nowell

Co-opted - Cllr Len Poole

Conference and Promotions Committee

Chairman: Mrs. B.J. Solkhon

Deputy Chairman: Cllr J.M. Bramley

Mr. R.S. Chamberlain - Mr. K. Enderby - Cllr W.J. Hancox - Cllr D. Munn -

Mrs. G.E. Naylor - Cllr L. Poole - Mr. F. John Smith - Cllr H.I. Thomas -

Cllr. W. Weightman

Co-opted Members of Council - Mr. S.G. Carden - Mr. P. Cooney - Mr. I. MacKay

Co - opted - Mr. R. Kaye

Parliamentary and Local Government Committee

Chairman: T. Jones

Deputy Chairman: K. Horton

Cllr J. Carr - Mr. P. Cooney - Mr. C. Fry - Mr. S. Hickmott - Mr. K. Horton -

Cllr Mrs. E.J. Inglefield - Dr. R. Lawson - Mr. C. MacDonald -

Mr. I. MacKay - Mr. J.A. Mann - Mr. A.J. Rees - Mr. J. Rice - Dr. F.E. Shephard -

Cllr J.M. Smith - Mr. T. Townsend - Mr. A. Taylor - Mr. R.N. Turner

Co-opted Members of Council: Cllr L. Poole - F. Price

Co-opted: T. Hams

National Noise Committee

Chairman: Mr. A.J. Rees

Deputy Chairman: Cllr L. Poole

Mr. K. Atkinson - Mr. J.J. Beagle - Mr. G. Colling - Mr. K. Horton -

Cllr Mrs. E.J. Inglefield - Cllr L. Poole - Mr. A.J. Rees - Mr. K. Thomas

Co-opted: Mr. R. Crosby - Mr. J. Evans - Dr. L. Fothergill - Mr. P.T. Freeborn -

Mr. A.J. Gibbon - Mr. J. Hinton - Mr. S. Masilvec - Mr. D.R. Romaine - Mr. G.H. Vulkan

Technical Committee

Chairman: Mr. K. Gregory

Deputy Chairman: Dr. R.A. Barnes

Dr. R.A. Barnes - Mr. J.J. Beagle - Mr. J.H. Boddy - Mr. A.R. Bryant - Dr. N.A. Burdett
Mr. G. Colling - Mr. D.R. Cope - Mr. D.A. Harrison - Dr. D. Laxen - Mr. C. MacDonald
Mr. S. Pearson - Mr. J. Phipps - Mr. F. Price - Mr. J. Rice - Mr. K. Roberts - Mr. P. Sage
Prof. R.S. Scorer - Mr. J.B. Simpson - Mr. R. West - Cllr W.K. Williams
Co-opted Members of Council: Cllr L. Poole - Mr. R.N. Turner
Co-opted: Dr. R.S. Barratt - Mr. W.A. Bell - Mr. A.H. Brown - Dr. D. Elsom -
Prof. M. Fox - Dr. K. Gregory - Mr. B. Lees - Mr. M.F. Tunnicliffe - Dr. A. Wadge -
Dr. R. E. Waller - Mr. M. Woodfield

WHO'S WHO 1993-4

PRESIDENT, VICE-PRESIDENTS AND HONORARY OFFICERS

LORD LEWIS OF NEWNHAM, President of the National Society for Clean Air and



Environmental Protection, was Chairman of the Royal Commission on Environmental Pollution from 1986 - 1992, and is now Chairman of the House of Lords Sub-Committee on European Environmental and Social Affairs. He has a long and distinguished career in science and has published over 800 papers. As Professor of Chemistry and Warden of Robinson College, Cambridge University, he oversees research students in the school of Transition Element Chemistry. Among his many other appointments, Lord Lewis is the UK representative on the NATO Science Committee, Chairman of the Management Committee of the Melville Laboratory for Polymer Synthesis, Cambridge University and

a member of the Board of Governors of Anglia University.

BARONESS PLATT OF WRITTLE, CBE, DL, MA, F Eng, Immediate Past President of the Society, was educated at Westcliff High School for Girls and Girton College, Cambridge, where she obtained a Mechanical Sciences Tripos in 1943. She then worked for Hawker Aircraft as a technical assistant for three years before joining the Research and Development Section of British European Airways. Among her many appointments, Baroness Platt is currently a member of the Board of British Gas. She has been President of the Cambridge University Engineers Association since 1987, and was Chairman of the Equal Opportunities Commission from 1983-88. In 1982 Baroness Platt became a member of the House of Lords Select Committee on Science and Technology and in 1992 a member of the Meteorological Office Advisory Committee. Baroness Platt was elected to Chelmsford RDC in 1959 and to Essex CC in 1965. She has been an Honorary Member of Arlington Fire Brigade (USA) since 1988. She is Chancellor of Middlesex University. Baroness Platt received the CBE in 1978 and was created a Life Peer in 1981.

KEN COLLINS, MEP, Vice-President of the Society, was educated at Hamilton Academy, the University of Glasgow and Strathclyde University. He has been Labour member of the European Parliament for Strathclyde East since 1979. He was Chairman of the European Parliament's Committee on the Environment, Public Health and Consumer Protection 1979-1984, Vice Chairman 1984 - 1987, and has been Chairman since 1989. He was also European Parliament Socialist Spokesman on Environment, Public Health and Consumer Protection 1984-1989. Ken Collins is a Fellow of the Royal Scottish Geographical Society, Hon. Senior Research Fellow, Department of Geography, Lancaster University. He is a member of the Advisory Committee, European Public Policy Institute, University of War-

wick. He is also a Director of the European Institute for European Environmental Policy, London and a fellow of the Industry and Parliament Trust.

THE RT HON THE EARL OF CRANBROOK, MA, PhD, DSc(Hon), DL, Vice-President of the Society, is a graduate of the Universities of Cambridge and Birmingham. From 1956-1970, he was employed as a biologist in several posts in SE Asia. Lord Cranbrook was appointed to the Nature Conservancy Council in 1990, and Chairman of English Nature in 1991. He was a member of the Royal Commission on Environmental Pollution 1981-92, the Natural Environment Research Council 1982-88, and the Environment Subcommittee, House of Lords Select Committee on the European Communities. Since 1987, he has been a non-executive member of the Board of Anglian Water plc. Since 1988 he has been a member of the Broads Authority and since 1989 a member of the Harwich Haven Authority. In 1991 he was elected chairman of the Foundation for European Environmental Policy.

WAYNE DAVID, MEP, Vice-President of the Society, was elected European Member of Parliament for South Wales in June 1989, where he is the first Vice-President of the Regional Policy Committee, and is Labour's spokesperson on European Regional Policy. He is also a member of the Institutional Committee and a substitute member of the Budgets Committee. He has been active in the Labour party since the age of 15 and has held many positions in the party.

JOHN EDMONDS, Vice-President of the Society, is General Secretary of the GMB (formerly the General, Municipal, Boilermakers and Allied Trades Union). Educated at Christ's Hospital and Oriel College Oxford (BA 1965, MA 1968). In 1966 he became Research Assistant at the General & Municipal Workers Union; subsequently Deputy Research Officer (1967), Regional Officer (1968) and National Industrial Officer (1972-1985). He was a member of the Royal Commission on Environmental Pollution (1979-1989) and has been Visiting Fellow, Nuffield College, Oxford since 1986; Governor, London School of Economics since 1986. He is a Trustee of the Institute for Policy Research, a Director of Unity Trust Bank plc., and member of the Council of the Consumers Association.

DR CAROLINE JACKSON, MEP, Vice-President of the Society, has been a member of the European Parliament since 1984, representing Wiltshire, Newbury and Wantage. She is Conservative spokeswoman on Environment and Consumer Protection and author of "Europe's Environment; a Conservative Approach", and a former member of the National Consumer Council and of the British Committee for European Year of the Environment. She is a Director of the European Institute of Environmental Policy. Educated at St Hugh's and Nuffield College, Oxford, with a doctorate in 19th century history, she formerly worked for the European Parliament in Luxembourg and Brussels.

12 Biographies - Vice-Presidents

ROBERT B. JONES, MP, Vice-President of the Society, has been a member for Hertfordshire West since 1983. He is chairman of the House of Commons Select Committee on the Environment.

JOHN LANGSTON, Vice-President of the Society, served in the RAFVR and then in the Royal Air Force from 1942 until his retirement in 1979, in the rank of Air Commodore. From 1980-1991 he was Secretary General of the National Society for Clean Air and Environmental Protection. He was appointed Director General of the International Union of Air Pollution Prevention Associations in 1986 - a position which he continues to hold. In December 1991 he was elected Chairman of the Investigation of Air Pollution Standing Conference. Appointed CBE in 1975, he is a Fellow of the British Institute of Management. He has been a member of the Board of Management of the Environment Council since 1984.

SIR JOHN MASON, CB, DSc, FRS, Past-President and Vice President of the Society, is currently President of UMIST and Senior Advisor to the Global Environment Research Centre, Imperial College. He was Director-General of the Meteorological Office from 1965-1983. From 1983-90 he was Director of the Surface Waters Acidification Programme and has recently been Chairman of the Scientific Management Committee of the World Climate Research Programme and Chairman of the Coordinating Committee on Marine Science and Technology. He was awarded the Charles Chree medal and Prize of the Physical Society (1965), the Glazebrook Medal of the Institute (1974) and the Rumford Medal of the Royal Society (1972) for his discoveries on clouds, rain and the origin of lightning, on which he delivered the Bakerian Lecture of the Royal Society in 1971. He was awarded the Symons Memorial Gold Medal of the Royal Meteorological Society (1975), was CB in 1973 and knighted in 1979. In 1991 he received the Royal Society's Royal Medal for his distinguished contributions to the science of cloud physics and other achievements in the field of meteorology.

LORD NATHAN, MA, LL.D (HON), FSA, FRSA, FRGS, Honourary Doctor of Laws (Sussex), a Vice-President and Past President of the Society, was a member of the Royal Commission on Environmental Pollution (1979-1989); he is a member of the House of Lords Select Committee on the European Communities and Chairman of its Environment sub-committee (1983-1987 and 1990-1993) and was Chairman of the ad hoc sub committee on the European Company Statute. He was Chairman of the Select Committee on Murder and Life Imprisonment (1988-1989). President of the UK Environmental Law Association 1987-1992 and has written and spoken extensively on environmental issues. He was Chairman of the Institute of Environmental Assessment to 1991 and is Chairman of the South Downs Conservation Board. Lord Nathan is an Emeritus Vice President of the Royal Society of Arts (Chairman 1975-1977 and subsequently Chairman of its Environment Committee). He was Chairman of a working party on Energy and the Environment which reported in 1974. He is a solicitor who has practised in the City since 1950, being senior partner of Herbert, Oppenheimer Nathan and Vandyk until 1986 and was Consultant to Denton Hall

Burgin and Warrens to 1992. He is an Honorary Associate Member of the Association of the Bar of the City of New York and a Director of the American Judicature Society.

SIR HUGH ROSSI, Vice-President of the Society, and a consultant in environmental law to Messrs Simmons and Simmons and to Wimpey Environmental Ltd. He was MP for Hornsey 1966-1992 and Chairman of the House of Commons Select Committee 1983-1992. Sir Hugh is Chairman of UNA (UK) and of the Historic Chapels Trust and Vice-President of the Advisory Committee on Protection of the Seas. He is an Honorary Fellow, Kings College London and an Executive Committee Member of UNED-UK.

JOHN SPEIRS, Vice-President of the Society, has been Managing Director of Norsk Hydro UK Ltd since 1981. He was responsible for Norsk Hydro's innovative 1990 UK Environmental Report, which won awards from the Campaign for Freedom of Information and from the Chartered Association of Certified Accountants. He is a member of the Target Team of Business in the Environment, and of the Science and Engineering Research Council. He is a Vice President of the Aluminium Federation and Chairman of the Public Affairs Committee of the Chemical Industries Association. He is also Chairman of his local Family Health Services Authority.

GARETH L. WARDELL, MP, Vice-President of the Society, is a graduate of the London School of Economics and Political Science. From 1972-73 he was a Lecturer in Education at Bedford College of Physical Education and from 1973-82 Senior Lecturer in Geography at Trinity College, Carmarthen. He is a Fellow of the Royal Geographical Society and has been MP for Gower since 1982. Mr. Wardell has been Chairman of the Select Committee on Welsh Affairs since 1984.

K.G. (GEOF) KAUFMAN, Chairman of Council, represents the North West Division, NSCA. He is the Borough Public Protection Manager at Tameside MBC, and has held several appointments with local authorities in the Greater Manchester area. As a member of the Manchester Area Pollution Advisory Council he is a past secretary of the Noise Working Group. He recently served as a member of the Government Noise Review Working Party representing NSCA, is a member of the Society's National Noise Committee and co-author of several Society publications. He recently presented a paper to the 9th World Clean Air Congress and spent time in Sudan, Africa, assisting in the provision of water supplies to medical centres on behalf of the Association of Greater Manchester Councils and Save the Children Fund.

PROFESSOR JAMES S. HARRISON, Immediate Past Chairman of Council, NSCA. A Fellow of the Royal Society of Chemistry, Institute of Chemical Engineers and of the Institute of Energy, he was given the Institute's Special Award. He is the Institute's current President and Vice President of BCURA and presented the BCURA Robens Coal Science Lecture in 1988. He is Chairman of Combustion Systems Ltd. He has served on the Sub-

14 Biographies - The Council

Committee of Energy R&D of the Commission of the Common Market and on Advisory Committees of the IEA and of the UK Government. He is particularly interested in the environmental aspects of energy production and has given evidence on the greenhouse effect to Select Committees of the House of Commons and the House of Lords. He is a visiting professor in the Department of Fuel and Energy at the University of Leeds.

CLLR DR JOHN R. P. EVANS, ACP, MBIM, LRSC, MEd, PhD, is First Deputy Chairman of Council of the Society and Vice Chairman of the South and Mid Wales Division, NSCA. A Chemistry graduate, he has worked as an industrial chemist with ICI Fibres and the British Steel Corporation. Dr Evans later taught for many years and was Head of Ebbw Vale Adult Education Centre. He currently is an independent management consultant specialising in Quality Assurance and Marketing. Dr Evans was elected a Member of Rhymney Valley DC in 1976 and was appointed to the European Commission Committee of the Regions in November 1993.

GEORGE W. BARRETT, Deputy Chairman of the Council of the Society, represents PowerGen plc. Having graduated from the University of Manchester in 1968 with an Honours degree in Physics, he was subsequently awarded an MSc in Applied Acoustics from the University of London. For three years he worked in the Acoustics Laboratory of the British Aircraft Corporation at Weybridge where he dealt with all aspects of aircraft noise. In 1972 he joined the Planning Department of the CEBG where he was a Group Head in the Environment Section, dealing with all aspects of environmental policy and planning for power generation. He is now with PowerGen where he is Environmental Adviser.

RICHARD HILL, MA, Honorary Treasurer of the Society, is a biochemistry graduate, and was Deputy Head in comprehensive schools for many years. He now lectures in biology in Eastbourne and also works for Age Concern.

THE COUNCIL OF THE SOCIETY

KEITH ATKINSON, Honorary Secretary of the Northern Division, NSCA, is Assistant Environmental Health Officer, Darlington BC. He entered local government in 1963 as a Pupil Health Officer, and worked for several local authorities after qualifying. His main interest in environmental issues are noise and air pollution. He was involved with the Darlington Quiet Town Experiment (1976-78). He was elected Honorary Secretary of the Northern Division in 1989 after representing Darlington BC for many years.

DR RON BARNES, represents the South East Division, NSCA, and is Chairman of the Society's Climate Change and Acid Rain Working Groups. He graduated from University College London in 1969 and was awarded his PhD in 1975 for research into the long range transport of atmospheric smoke and sulphur dioxide. After a period of mixed air pollution consultancy and university teaching during and after his PhD, he was appointed to the

DOE's Central Unit on Environmental Pollution. He later joined ESSO Petroleum where he is responsible for all air pollution research activities and for providing strategic environmental planning information relevant to company operations and products. More recently Dr Barnes has been responsible for developing an environmental awareness training programme for all ESSO staff. In 1979 he was seconded from ESSO to the United Nations to prepare a consultants report on all aspects of the long range transport of air pollution. This report was used as the technical basis for the UN ECE Convention on Transboundary Air Pollution.

JOSEPH J. BEAGLE, BA(Hons), MIEH, represents the South East Division, NSCA, having become Honorary Secretary on his retirement from local government in 1983. He was a Divisional EHO with the London Borough of Hammersmith & Fulham where he was responsible for noise and air pollution control matters, including investigations into lead pollution and asbestos control. Mr Beagle is a member of the Technical and National Noise Committees and the Civil Nuclear Power Working Group, and now works as an Environmental Health Consultant. He also represents the Society on the Transport Committee of the Environment Council.

JOHN BODDY, represents the South East Division, NSCA. Before retirement he was a consultant on energy and the environment. He is a former Chairman of the NSCA Technical Committee on which he has served for many years, and he has been a member of the South East Divisional Council for the past six years. Before becoming a consultant he was employed by Mobil Europe Inc, Mobil Oil Co. Ltd and BP, mainly on product research and environmental matters. During latter years of service with Mobil Oil he was also engaged in joint activities of the Motor and Petroleum Industries in Europe - on motor vehicle and engine emission control. He served on the Council of the Institute of Petroleum from 1979 to 1981.

CLLR J. MAKIN BRAMLEY, represents the Yorkshire & Humberside Division, NSCA. He has been a member of the District Council for 35 years and has chaired the Personnel Committee for 12 years. He is a member of North Yorkshire CC and Vice Chairman of the Planning Committee. He is a member of the NRA Flood Defence and Vice Chairman of the Hull and Goole Port Health Authority. Cllr Bramley is a member of the Provincial Council and YOPAC. Councillor Bramley is a farmer.

A.R. BRYANT, represents the North West Division, NSCA and is a member of the Technical Committee. He qualified as an environmental health officer in 1971 and joined Macclesfield BC in 1974. In 1980 he was promoted to manage the Environmental Control Section and in 1982 he obtained the Institute of Acoustics Diploma in Noise and Vibration Control. He is currently involved in the Borough's case of objection to a second runway at Manchester Airport.

DR NIGEL BURDETT, represents National Power. He joined the Central Electricity Generation Board Research Division in 1977, working on emission control in current and future

designs of fossil-fired boilers. This included NO_x and SO_x control from fluidised bed conductors, NO_x control from large coal-fired burners, acid smut emissions and the operation of electrostatic precipitators. He was seconded to the Science and Technology Secretariat, cabinet office Whitehall 1986-1988, working for the Advisory Council on Science and Technology (ACOST). He rejoined CEGB (National Power) in 1988 as Environmental Policy Development Manager, and is currently manager of the Corporate Environment Unit, responsible for formulating company environmental policy, environmental performance reporting and environmental writing.

STEPHEN CARDEN is Honorary Secretary of Yorkshire and Humberside Division, NSCA. He serves on the Finance and Administration and Conference and Promotions Committees of the Society. Prior to his present position as Head of Health for the City of Wakefield MDC, he specialised in air pollution, noise and planning matters, and worked for Barnsley and Kirklees, as well as having six years industrial experience.

CLLR JACK CARR represents the Yorkshire & Humberside Division, NSCA. A member of Rotherham MBC, he began in local government as Health Committee Chairman of Rawmarsh UDC and served as a member of the Sheffield and District Clean Air Committee 1967-73. In 1973 he became a member of the Yorkshire & Humberside Division of the Society and in the same year became a member of Rotherham's Environmental Health Committee. He has also held senior posts on Rotherham's Education Committee. In 1988 he became Chairman of the Environmental Health Committee and Chairman of South Yorkshire Joint Waste Committee and Hazardous Waste Unit. He also serves on the AMA.

RONALD S. CHAMBERLAIN represents the East Midlands Division, NSCA. He has been a member of the Division for twenty one years, Chairman of the Division 1987-88 and a member of the Council of the Society since 1974. He was a member of Ashfield DC and Kirby-in-Ashfield UDC for over twenty years, was Chairman of the Kirby-in-Ashfield UDC Health Committee, 1971-74 and Chairman of the Ashfield DC Environmental Health Committee, 1974-83 and still represents Ashfield DC on the NSCA. Mr Chamberlain was elected Chairman of the Central Nottinghamshire Community Health Council in February 1981 and became a member of the Central Nottinghamshire District Health Authority in 1982 and Vice Chairman in 1987 until reorganisation in 1990. He is a Justice of the Peace.

GRAHAM COLLING, represents the West Midlands Division, NSCA, and is currently the Senior Environmental Health Officer at South Staffordshire DC, specialising in environmental pollution. He qualified in 1981 and has been employed by a number of authorities in the West Midlands region before concentrating on pollution in 1986. He is presently the Secretary of the Midland Joint Advisory Council for Environmental Protection.

PAULA. COONEY, MSc, DMA, MIEH is a Principal Environmental Health Officer with the London Borough of Greenwich and Chairman of the South East Division and a member of the Society's Parliamentary and Local Government Committee. He is head of a specialist

unit responsible for all aspects of pollution control. Greenwich, as a riparian authority, has a history of industrial usage and has had to deal with much of the associated contamination. Throughout his career he has taken a lead in the investigation of air pollution and contaminated land. His studies have involved assessing the biological effects of heavy metals. As a result he has written and lectured widely on health risks associated with air pollution and contamination. He takes an active interest in all aspects of environmental pollution.

DAVID R. COPE represents the UK Centre for Economic and Environmental Development (UK CEED), an independent policy research unit, supported by UK charitable foundations, industrial and commercial interests and central government, which promotes the economic analysis of environmental problems in the UK. He is also Special Lecturer in Energy and Environmental Studies at the University of Nottingham and a visiting lecturer at Cambridge University. From 1987-89 he was a member of the CEGB's independent Environmental Development Advisory Panel. He is a member of the DoE and DTI's Environmental Technology Advisory Group, the Packaging Standards Council and the Advisory Group to Business in the Environment. He has served on the Watt Committee on Energy's Nuclear Safety and Acidification Working Groups and the Fellowship of Engineering's Acid Emission Abatement Task Force. A Professional Associate of the Institute of Energy, he has written and lectured widely on all aspects of the economics of energy use and the environment.

KENNETH R. ENDERBY represents the East Midlands Division, NSCA. He was City Environmental Health Officer to Peterborough CC until his retirement in March 1991 and had represented Peterborough on the NSCA for over 30 years. He has been a member of the East Midlands Division for more than 30 years (Deputy Chairman 1976-77 and 1988-89, Chairman 1977-78 and 1989-1990). He has been a member of the Council of the Society and of the Conference and Promotions Committee since 1974. He joined the Society as a private member on his retirement, and was elected an Honorary Member in 1991.

MERVYN FLEMING is secretary of the Northern Ireland Division, NSCA. He was educated at Royal Belfast Academical Institution, and qualified as an environmental health officer in 1973. He holds the diploma in Air Pollution Control of the Royal Society of Health and the diploma in Acoustics and Noise Control of the Institute of Acoustics. He graduated in 1993 with an MSC in Environmental Health from the University of Ulster. He holds the post of Principal Officer (pollution control) with the Eastern Group Public Health Committee.

C. FRY, BA, MIEH, DMS, FRSH, ARSC, represents the West Midlands Division, NSCA and is a member of the Parliamentary and Local Government Committee. He was appointed Chief Environmental Health Officer (now Environmental Health Manager) to Nuneaton and Bedworth BC in 1987, having held posts with Coventry CC and Warwick DC. He is a member of the Chief Officers Environment and Health Advisory Group of the ADC and represents the ADC on the HSE Advisory Committee on toxic substances. He has a particu-

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lar interest in pollution control, developed from his involvement with the Coventry LA/ Industry Liaison Panel and read chemistry with the Open University. He is Chairman of the Technical Advisory Committee to the Warwickshire Environmental Protection Council and a tutor on the postgraduate Diploma/MSc, Environmental Quality Management Course at De Montfort University, which covers the disciplines of water, air, waste, noise and vibration. He is an examiner for the IEHO Assessment of Professional Competence.

DESMOND GREAVES, is vice chairman of Northern Division, NSCA. He has been a member of Chester-le-Street District Council since 1974 and was Chairman of Council 1986-1987. He was chairman of the Environmental Committee 1981-1983, and has been a member of all major committees. He is a president of MENCAP, St Johns Ambulance Brigade and six OAPs' clubs.

CLLR W. HANCOX, is Chairman of the West Midlands Division, NSCA. He has been a councillor since 1990 and currently serves on the Environmental Health and Policy/Resources committees of Nuneaton and Bedworth Borough Council. He is Vice-Chairman of North East Warwickshire Community Health Council, Chairman of Governors at a local school, Chairman of a local charity and vice chairman of the Road Safety Advisory Committee. He works as a glazier.

DAVID A. HARRISON represents British Steel plc. He is at present Environmental Engineer at Scunthorpe Works of British Steel but has been involved with Energy and Environment in the Steel Industry for more than 30 years. He is a member of BS Environmental Control Committee which is a national committee determining environmental policy. He is also closely involved with issues of environmental noise as well as the monitoring of environmental conditions in the workplace.

SIMON HICKMOTT, represents the South East Division, NSCA. He trained as an environmental scientist, and later as a town planner. He currently works for East Sussex County Council. He is an active supporter of local environmental issues, and aims to ensure wider environmental concerns are integrated into town and country planning.

KEITH S. HORTON, BSc, DMS, MIEH, MIOA represents the South West Division of the Society, and is currently Deputy Chief Environmental Health Officer at Woodspring DC. He has been a representative of the Division for approximately 11 years, and was Secretary of the South West Division from 1988 to 1991. He has specialised in pollution and related topics for some 14 years, and has a particular interest in noise, vibration and computer applications in environmental health. He is past Chairman of the Avon, Gloucestershire and Somerset Environmental Monitoring Committee.

CLLR MRS E. JANE INGLEFIELD, BA, RGN, a Past Chairman of the Council of the Society, represents the East Midlands Division, NSCA, and was Chairman of the Finance and Administration Committee; she has been a member of the Divisional Council of the

East Midlands for the past 19 years. She is a member of the management Committee of the Derbyshire Historic Buildings Trust Ltd. Mrs Inglefield is currently working for Marie Curie Memorial Cancer Care as the Regional Nurse Manager of Community Nursing Services for Trent, Mersey & North West Regions. She is a member of North Derbyshire Community Health Council. She is at present Deputy Mayor for High Peak and will become Mayor in 1994.

TERRY JONES, DMA, MIEH, MInstWM, represents the South & Mid Wales Division, NSCA, and is Chairman of the Parliamentary and Local Government Committee. He is employed by Torfaen BC as Assistant Director of Environmental Health Services and is currently responsible for the waste regulatory functions of the Authority. He is a Past Chairman of the Gwent Branch of the Institution of Environmental Health Officers and currently the appointed Hon. Secretary of the South and Mid Wales Division, NSCA.

DR RICHARD LAWSON, MBBS, MRCPsych, represents the South West Division. He graduated from Westminster Medical School in 1969 and is a practising General Practitioner. He has been involved in environmental campaigning for 20 years, including the successful campaign against dumping nuclear waste at sea. In 1986 he was elected to Woodspring DC as one of the first Green Party Councillors. He was speaker for the Green Party 1991-2, and is currently Health Speaker for the Green Party.

DR DUNCAN LAXEN represents the South West Division, NSCA. He is a member of Technical Committee and co-ordinator of the NSCA's Local Air Quality Management initiative. He has a PhD in air pollution chemistry and over 20 years experience as an environmental scientist. He has carried out major investigations of air pollutants and written over 50 papers. He has been responsible for Department of Environment Contracts to manage the operations of the UK Rural Air Quality Monitoring Network and to set up and operate the UK Enhanced Urban Air Quality Monitoring Network. He is a member of the Photochemical Oxidants Review Group and the Quality of Urban Air Review Group.

CLLR J. K. LEYDEN, JP represents the North West Division, NSCA. He is a member of the Society's Finance and Administration Committee. A member of Oldham MBC, he was first elected as Councillor in 1971, and was a member of the Greater Manchester Council 1974-1978. He has been a member of Oldham Magistrates Bench since 1972, was Mayor of Oldham MBC in 1984/5 and is a Past President of the National Association of British Market Authorities. A member of Environmental Health and Control and other committees, he is Chairman of the Markets Sub-Committee and Vice Chairman of the Home Safety and Fair Trading Advisory Sub-Committee. He is a Quality Consultant, proprietor of LM Quality Systems, Oldham.

CALUM MACDONALD represents the Scottish Division NSCA, and is its Hon. Secretary. He is a member of the Technical Committee and the Parliamentary and Local Govern-

ment Committees. As an environmental health officer he has served with Glasgow DC since 1975, as a student, then qualified environmental health officer. He is currently a Principal Officer in Glasgow with responsibility for a wide range of environmental matters including air pollution, noise control, waste management and lead in water. He is Chairman of the Scottish Pollution Control co-ordinating committee and represented the Royal Environmental Health Institute of Scotland on the HMIP/Local Authority Liaison Committee.

IAN MACKAY represents the Solid Smokeless Fuels Federation and is a member of the Parliamentary and Local Government Committee. Having joined the National Coal Board in 1948, he served in various departments, particularly marketing, and became District Sales Manager for Teesside. In 1970, he joined Associated Heat Services Limited as Sales Manager and in 1982 was appointed General Manager of the Solid Smokeless Fuels Federation. He was Chairman of the North East Coal Industry Society in 1980. Mr MacKay is an associate member of the Institute of Marketing.

JOHN A. MANN represents the Northern Division, NSCA. He entered local government in Hull in 1965, and worked as an environmental health officer in Yorkshire, Suffolk and the Midlands before joining Middlesbrough BC in 1984, where he became involved with the Society. A Chief Officer since 1988, he has been involved with community liaison initiatives and leads for his council on environmental activities. He is a board member of Middlesbrough Environment City, an accolade awarded in 1992 by the Royal Society for Nature Conservation.

CLLR DAVID MUNN is a Past President of the Scottish Division. He is a Justice of the Peace and has been convener of Cunninghame District Council's health committee since 1987. A member of the Convention of Scottish Local Authorities he is also active on the Cunninghame Housing Association. He has long been interested in pollution from all sources and was instrumental in the district council's promotion of smoke control.

MRS E.M.L. (PAT) NAYLOR, MIHEc, MRSH, ARCA, is a Past Chairman of the South East Division, NSCA. She was associated with the Women's Solid Fuel Council for 30 years until its demise in September 1989. Mrs Naylor is a Lecturer in Home Economics in England and America. She is a member of the BBC Local Radio Council; of the British Standards Institution; of the Kitchen Planning SFC Committee and of the United Kingdom Home Economics Federation. Mrs Naylor is also a Past President of the United Kingdom Federation of Business and Professional Women. She is a member of the Society's Conference and Promotions Committee.

HOWARD NOWELL is a former Honorary Secretary of the South West Division, NSCA. He has spent the greater part of his professional career with Bath CC where he is now Principal Environmental Health Officer with special responsibility for environmental pollution control. He has served on numerous pollution related bodies and is a founder Mem-

ber and Past Chairman of the Avon, Gloucestershire and Somerset Environmental Monitoring Committee.

DR STEPHEN PEARSON represents the Institution of Gas Engineers. He obtained degrees in Chemistry and Inorganic Catalysis for Synthetic Natural Gas production from Reading University. In 1988 he joined British Gas and worked on the natural gas vehicles programme. In 1992 he joined the Technical Environmental Consultancy at the Gas Research Centre, Loughborough, and is involved in environmental monitoring.

JOHN PHIPPS represents the Institute of Petroleum. He is manager of the Test Methods, Standardisation, Environment and microbiology sections. He represents the IP on a number of BSI committees dealing with petroleum specifications and test methods. He previously worked for a major oil cargo inspection company and was responsible for the company's laboratories and technical standards. He is a fellow of the Geological Society and Institute of Petroleum.

CLLR LEN POOLE, BEM, JP, a Past President of the Society, represents the Northern Division of NSCA; he is Deputy Chairman of the National Noise Committee and a Past Chairman of the Society's Council. Cllr Poole has been Chairman of the Northern Division and a member of the Council since re-organisation of local government, Chairman of the Environmental Health Committee, Middlesbrough BC and Member of South Tees Health Authority, Justice of the Peace since 1965 and Deputy Chairman of Domestic and Adult Court. Cllr Poole was responsible for persuading his council to complete its Domestic Smoke Control programme by the target date of 1979. He is an Executive Member and President of the Federation of Burial and Cremation Authorities, Chairman of the Tidy North Consultative Committee and member of the Finance and S&P Committee, as well as President of Middlesbrough Mentally Handicapped Society and Director of the Tidy Britain Group.

FRANK PRICE represents the Yorkshire and Humberside Division. He is currently manager of the Environmental Protection Unit of Sheffield City Council responsible for enforcement of pollution control legislation and the planning and implementation of the City's air pollution monitoring and modelling work. He formerly directed an environmental analytical and consultancy laboratory with twelve years commercial experience in contaminated land, air pollution monitoring and modelling and environmental impact project work.

ALAN J. REES, BA, DMS, MIMgt, MIEH, MIOA is a Past Chairman of the Council of the Society, and of the Society's Finance and Administration Committee. He represents the South East Division, NSCA. He qualified as a Public Health Inspector with Oxford CC, and has since been employed by three other local authorities, before his present appointment as Principal Environmental Health Officer for South Oxfordshire DC. From 1978 to 1983 he was Honorary Secretary of London & South East and Central Southern Divisions, and is a past Chairman of the Joint Divisions.

JOHN N. RICE, represents the South East Institute of Public Health. He qualified as an environmental health officer in 1977. After posts in Coventry and Farnborough, he returned to Sheffield in 1987 as Assistant Director of Health and Consumer Services, and Chief Environmental Health Officer. In this Office he was a member of the Yorkshire and Humberside Divisional Council. In January 1992 he left Sheffield to become the first Director of Environmental Health in the newly formed South East Institute of Public Health, based in Tunbridge Wells, Kent. SEIPH coordinates the London Air Quality Network. It also has a number of interests in researching the effects of air pollution on health.

KENNETH ROBERTS, represents the North West Division, NSCA, and has been a member representing CMB Engineering 12 years, as a member of the Divisional Council and now an individual member. He retired after 28 years as a mechanical engineer with CMB engineering. The last 12 years have been spent working on air pollution control projects connected with the control of emissions of VOCs from process plants. He is now a Director of his own company Air Pollution Engineering Services (APES Ltd).

PETER W. SAGE represents British Coal Corporation and is a member of NSCA Technical Committee. He graduated from the university of Birmingham in 1971 with an Honours degree in Chemistry. For three years he worked as a research chemist at the Midlands Research Station of British Gas with special interest in nitrogen oxides emissions and control. In 1974 he joined the Coal Research Establishment at Cheltenham where he has held several posts. Since 1980 he has been involved in environmental issues related to coal use. In 1992 he was appointed manager of the Environment Branch at the Coal Research Establishment.

DR MICHAEL J. R. SCHWAR, represents the South East Division, NSCA. He has had over twenty years experience in the management of scientific advisory and consultancy activities. He has overall responsibility within TBV science for all scientific operations, and safety matters. He has headed project teams involving a range of scientific disciplines and has sat on numerous Government, local government and professional committees concerned with the development of policies of a scientific nature. In recent years he has developed specialist skills in quality management and environmental quality management systems. Dr Schwar has worked abroad in the near East and Middle East on a series of environmental protection studies. He is a physicist by training and specialist skills include environmental assessment, asbestos, risk management and air quality assessment.

PROFESSOR RICHARD S. SCORER, MA, PhD, represents the South East Division, NSCA, and serves on the Society's Technical Committee. He was Chairman of the Council of the Society 1978-79. He is the author of numerous books on air pollution, meteorology and related subjects. He was in the Meteorological Office & RAF 1941-5 and was President of the Royal Meteorological Society 1986-88. He was appointed as Lecturer (Meteorology) at Imperial College, 1949; as Reader (Applied Mathematics) in 1957, and became Profes-

sor (Theoretical Mechanics) in 1962. He is an Honorary Member of the Royal Meteorological Society (Hon. Sec. 1956-60), Fellow of the Royal Society of Health and Fellow of the Royal Aeronautical Society. He was Founder Editor of the International Journal of Air Pollution (now Atmospheric Environment). As a member of the Clean Air Council from 1968 until its demise, he chaired its Technical Committee. He was an Alderman of London Borough of Merton (1971-78) and on the Metropolitan Water Board 1971-74. Professor Scorer was awarded the title Emeritus Professor in 1982 and is now a Senior Research Fellow in Mathematics and Environmental Technology at Imperial College. In 1991 he was made an honorary member of the Czechoslovak Meteorological Society and an honorary member of NSCA in 1992.

FRANK E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng, FIGasE, represents British Gas plc. He is a Past Chairman of the Council of the Society and former Chairman of its Finance and Administration Committee. He graduated from the Queen's University of Belfast in 1960 and completed a period of research into catalytic reactions of hydrocarbons before joining the Gas Council Basic Research Groups in 1963. He studied fundamental properties of catalysts until 1970, when he joined the Analytical Research Group of the Gas Council's London Research Station. After a period as Assistant Manager responsible for the Environmental Studies Group within the Analytical Division he was appointed Manager of that Division. He is now Programme Manager, Environment R&T within British Gas. He is Chairman of The Institution of Gas Engineers Environment Committee and he also chairs the International Gas Union Task Force on Gas and the Environment.

JACK B. SIMPSON has been a member of North West Divisional Council, NSCA, since 1980. He was a founder member and Honorary Technical Officer of the Manchester Area Pollution Advisory Council in 1974 and has been Chairman of its Technical Committee since 1986. He qualified in 1961 whilst employed by Lancaster CC, and joined Failsworth UDC in 1963, becoming Chief Public Health Inspector in 1972. He is currently employed as Divisional EHO (Pollution Control/Occupational Health) by Oldham MBC, into which Failsworth was amalgamated in 1974.

JOHN M. SMITH, represents the North West Division, NSCA. He has been a Councillor for Oldham MBC since 1990 and serves on the Environment Committee. He is a member of the Manchester Area Pollution Advisory Council and the NSCA Divisional Council.

F. JOHN SMITH, BSc represents the South East Division, NSCA, of which he is currently Deputy Chairman. He is Publicity Manager for Johnson Matthey Catalytic Systems Division, Autocatalyst Europe. Outside his professional career he is Chairman of the Development Services Committee of North Hertfordshire District Council. He has been a district councillor for 32 years and also served on the North Hertfordshire Health Authority, 1981-90. He is a graduate of Hull University.

MRS B.J. (LIS) SOLKHON represents the South East Division, NSCA, and is Chairman of the Society's Conference and Promotions Committee. On being elected to Brighton BC in 1979 she chose Environmental Health as her main Council Committee. She became Chairman in 1982 and has attended NSCA Conferences as a Council Delegate each year until her retirement from Brighton BC in 1993. She became a member of the South East Division in 1988 and sits as an individual member. She is a writer and broadcaster and lectures on media skills, training personnel for local authorities and commercial companies. She is a member of Sussex University Council where she is Chairman of the Careers Advisory Board. She is a member of the Institute of Journalists and of the Institute of Public Relations.

ALAN TAYLOR represents the Institute of Environmental Health Officers and is currently the Chief Environmental Health Officer with Cheltenham Borough Council. He joined Stoke on Trent City Council in 1955 as a pupil and worked as a District Inspector until 1967. He moved to Cheltenham Borough in 1967 where he specialised in safety and pollution issues until he moved into management in 1986. He became Chief Environmental Health Officer following restructuring of the Council in 1991. He has served on numerous Technical Committees in the south west and is a former Chairman of the Avon, Gloucestershire and Somerset Monitoring Committee.

CLLR H. I. THOMAS is Chairman of the South and Mid Wales Division, NSCA and a member of the Conference and Promotions Committee. He was elected Councillor in May 1967, and is a past Mayor of Lliw Valley BC. Cllr Thomas is Chairman of the Council's Amenities Committee, which is responsible for environmental health and leisure. He represents his council on the West Glamorgan Joint Environmental Committee, he is a member of the West Wales Advisory Committee of the Sports Council of Wales, and a member of the West Glamorgan Health Authority, and the Swansea and Lliw Valley Community Health Council. He is also a director of Tourism for South Wales, a member of the South West Wales Management Group and the West Glamorgan Health Authority Joint Consultative Committee.

KEVIN E. THOMAS represents the Scottish Division, NSCA, having joined in 1990. He commenced a local government career in 1967 as a sanitary inspector with Ayr CC. In 1976 he gained a BSc from Strathclyde University and joined Cunninghame DC. As Assistant Director of Environmental Health he has worked on many pollution projects. In 1980 he instigated Cunninghame's smoke control programme. As a member of the Institute of Acoustics he contributed a chapter on noise control to the Environmental Health Reference Book, Butterworths (1988).

TREVOR TOWNSEND, MIEH, FRSH, represents the West Midlands Division, NSCA. He is currently Head of Environmental Health Services with Cannock Chase DC. He qualified as an environmental health officer in 1964 and has since held senior appointments with several local authorities, mainly specialising in environmental pollution. He is the past Tech-

nical Secretary of the Midlands Joint Advisory Council for Clean Air and Noise Control and is currently a lecturer and examiner of both the Environmental Health Officers Examination Board and the Royal Society of Health's Diploma in Air Pollution Control.

R.N. (NEIL) TURNER, DMS, MIEH, T Eng(CEI) is Honorary Secretary of the North West Division, NSCA, and heads the Pollution/Health & Safety Unit at Knowsley MBC. Specialising in pollution control management and consultancy for the past 16 years he has produced evidence for Royal Commission reports, been a consultee and working party member on several BATNEEC guidance documents and has had several papers published nationally and internationally on pollution based topics, management and training. He is an examiner for the Royal Society of Health, lecturer at University College, Salford and a member of the Merseyside Pollution Group and Manchester Area Pollution Advisory Council. He represents his division on the Parliamentary and Local Government Committee.

ROBERT F. WEST, MIEH, MIOA, MInstWM, represents the NSCA South and Mid Wales Division, NSCA. He qualified in 1968 with a diploma in Public Health from the University of Wales, Institute of Science and Technology. He is currently employed as a Principal Environmental Health Officer responsible for Pollution Control with Cardiff CC. He is a member of the Society's Technical Committee and is also involved with other regional committees and working groups dealing with waste management, radiation and pollution related topics.

CLLR. W. (BILL) WEIGHTMAN, represents the North West Division, NSCA and is a member of the Conference and Promotions Committee. As Chairman of the Health and Environmental Issues Committee of Knowsley MBC, he has a remit to assess the performance of the council on sustainability, environmental management and performance against the Council's Environmental Charter.

CLLR W. K. WILLIAMS, MBE, represents the East Midlands Division, NSCA. He is Vice Chairman of the Environment and Health Committee and a member of the Housing and Leisure Committees on Gedling Borough Council. He worked as an engineer, spending 20 years with British Gas in workshop management, including domestic and industrial gas measurement testing. He is a former member of Nottingham County Council and served on the Public Protection Committee. He is also a school governor.

PAST PRESIDENTS 1929 TO 1993

October 1929 to November 1943

Dr. H.A. Des Voeux

November 1943 to March 1946

Mr. Will Melland

March 1946 to September 1948

Sir George Elliston

September 1948 to September 1949

Lord Simon of Wythenshawe

September 1949 to September 1951

Dame Vera Laughton Matthews, DBE

September 1951 to October 1953

Alderman Professor F.E. Tylecote, CBE

October 1953 to October 1956

Sir Ernest Smith, CBE

October 1956 to December 1958

Dr. R. Lessing, CBE

December 1958 to March 1961

Sir Hugh Beaver, KBE

March 1961 to April 1963

The Rt. Hon. Lord Cohen of Birkenhead

April 1963 to May 1965

Dr. Albert Parker, CBE

May 1965 to May 1967

Sir Alan Wilson, FRS

May 1967 to April 1969

Sir John Charrington

April 1969 to June 1971

Sir Kenneth Hutchison, CBE, FRS

June 1971 to June 1973

Mr. Stanley E. Cohen, CBE

June 1973 to July 1975

Sir John Greenborough, KBE

July 1975 to July 1979

Professor P.J. Lawther, CBE

July 1979 to October 1981

Lord Ezra, MBE

October 1981 to October 1983

Naomi E.S. Sargent

October 1983 to October 1985

Professor Sir David Williams

October 1985 to October 1987

Councillor L. Poole, BEM, JP

October 1987 to October 1989

The Rt. Hon. Lord Nathan

October 1989 to October 1991

Sir John Mason, CB, FRS

October 1991 to October 1993

Baroness Platt of Writtle, CBE, DL, FEng

PAST CHAIRMEN OF COUNCIL 1958 TO 1993

January 1958 to December 1958

Dr. J.S.G. Burnett

December 1958 to April 1962

Mr. J. Innes

April 1962 to April 1964

Dr. J.L. Burn

April 1964 to May 1967

Mr. J. Goodfellow

May 1967 to April 1969

Mr. A.C. Saword

April 1969 to September 1971

Dr. W.C. Turner

September 1971 to July 1973

Mr. S. Cayton, MBE

July 1973 to July 1974

Mr. W. Combey

July 1974 to July 1975

Miss M. George, CBE

July 1975 to July 1976

Mr. J. Clancey, OBE, BEM

July 1976 to July 1977

Mr. P. Draper

July 1977 to July 1978

Mr. T.H. Iddison, MBE

July 1978 to July 1979

Professor R.S. Scorer

July 1979 to July 1980

Mr. H.I. Fuller

July 1980 to October 1981

Mr. A.J. Clarke

October 1981 to October 1982

Mr. H. Giblin

October 1982 to October 1983

Mr. W.B. Twyford

October 1983 to October 1984

Councillor L. Poole, BEM, JP

October 1984 to October 1985

Mr. M. Beaumont

October 1985 to October 1986

Mr. R.W.C. Wheatley

October 1986 to October 1987

Mr. I.W. Barker

October 1987 to October 1988

Mr. K.S. Dunn

October 1988 to October 1989

Mr. W.F. Snow

October 1989 to October 1990

Dr. F.E. Shephard

October 1990 to October 1991

Mr. A.J. Rees

October 1991 to October 1992

Councillor Mrs. E.J. Inglefield

October 1992 to October 1993

Professor J.S. Harrison

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K.R. Enderby

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Prof R.S. Scorer

W.F. Snow

W.B. Twyford

R.W.C. Wheatley

CERTIFICATE OF COMMENDATION

I. Macpherson

C. Morgan

DIVISIONAL MEMBERSHIP

SCOTTISH DIVISION

President/Chairman: Mrs J. Ross
Hon. Secretary: Calum MacDonald
c/o Environmental Health Department,
Glasgow City Council,
23 Montrose Street, Glasgow G1 1RN
Telephone: 041 227 5564/5552 (Office)
Fax: 041 227 5566 (Office)

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Inverness District Council
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Monklands District Council
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Friends of the Earth Scotland
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Mott MacDonald Scotland
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Scottish Power plc
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- Dept of Civil Engineering
Wright, Johnston & Mackenzie

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Gardner, D.L.
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 Woodside, Miss C.J.

NORTHERN IRELAND DIVISION

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Hon. Secretary: Mervyn Fleming
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 Lisburn Borough Council
 Newry & Mourne District Council
 Newtownabbey Borough Council
 Omagh District Council

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 Coalite Smokeless Fuels
 Northern Ireland Housing Executive

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 Hanna, B.P.
 Hetherington, O.
 Mannis, A.

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Northumberland, Tyne & Wear.

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Hon. Secretary: Keith Atkinson

30 Loraine Crescent, Darlington DL1 5TF

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Gateshead Metropolitan Borough Council

Hartlepool Borough Council

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North Tyneside Metropolitan Borough
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Isaac, Professor P.C.G. (LM)

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Orme, P.

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Rutherford, I.J.

Toulson, T.

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Cheshire, Clwyd, Cumbria (in part),
Greater Manchester, Gwynedd, Isle of Man,
Lancashire, Merseyside

Chairman: R. Hebden

Hon. Secretary: Neil Turner

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 Blackpool Borough Council
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 Bury Metropolitan Borough Council
 Cheshire County Council
 Chorley Borough Council
 Congleton Borough Council
 Copeland Borough Council
 Delyn Borough Council
 Halton Borough Council
 Hyndburn Borough Council
 Isle of Man Government
 Knowsley Metropolitan Borough Council
 Macclesfield Borough Council
 Manchester City Council
 Oldham Metropolitan Borough Council
 Pendle Borough Council
 Ribble Valley Borough Council
 Rochdale Metropolitan Borough Council
 Rossendale Borough Council
 Salford City Council
 Sefton Metropolitan Borough Council
 South Ribble Borough Council
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 Greater Manchester Waste Disposal
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 Manchester Area Pollution Advisory
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 Research Unit
 Woolton Society, The

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Yorkshire, West Yorkshire.

Chairman: Cllr. J. Carr

Hon. Secretary: Stephen Carden
Environmental Services Department,
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Calderdale Borough Council

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Advisory Council

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Willison, Dr M.J.

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British Steel plc

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Staffordshire, Warwickshire, West
Midlands

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Hon. Secretary: John Sweetland
Planning & Environmental Services,
Wrekin Council, Civic Offices,
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Telephone: 0952 202558 (Office)
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Newcastle-under-Lyme Borough Council
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Nuneaton & Bedworth District Council
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Rugby Borough Council
Solihull Metropolitan Borough Council
South Staffordshire District Council
Stoke-on-Trent City Council
Tamworth Borough Council
Walsall Metropolitan Borough Council
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Wolverhampton Metropolitan Borough
Council
Worcester City Council
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National Association of Chimney Sweeps
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PowerGen plc (SM)

National Rivers Authority (SM)
School of Construction Studies-
Wolverhampton Polytechnic

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Wainwright, R.
Webb, C.J.

EAST MIDLANDS DIVISION

Cambridgeshire, Derbyshire,
Leicestershire, Lincolnshire,
Northamptonshire, Nottinghamshire

EASTERN DIVISION

Essex, Norfolk, Suffolk

Chairman: Cllr. J. Milnes

Hon. Secretary: ~~David Romaine~~

~~Housing and Environmental Services Dept,
Derby City Council, The Council House,
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~~Telephone: 0332 255228 (Office)~~

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MEMBERSHIP LIST

EAST MIDLANDS

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Ashfield District Council
Bassetlaw District Council
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Charnwood Borough Council
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Corby District Council
Derby City Council
Derbyshire Dales District Council
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Hinckley & Bosworth Borough Council
Huntingdon District Council
Leicester City Council
Lincoln City Council
Mansfield District Council
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British Gas plc (SM)
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Coalite Smokeless Fuels (SM)
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Leicester University-Dept of Engineering
Low Temperature Coal Distillers Association
National Power plc (SM)
National Rivers Authority (SM)
Rolls Royce plc
Solid Smokeless Fuels Federation
Tace plc
UK Centre for Economic & Environmental
Development
University of Derby

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Boote, S.J.
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Chamberlain, R. (HM)
Clayton, H.M. (LM)
Davis, D. (LM)

Hon Sec. Dr. Bill Pearce
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Peterborough City Council
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South Derbyshire District Council
South Holland District Council
South Kesteven District Council
Wellingborough Borough Council

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 Inglefield, Mrs E.J.
 Lander, R.W. (HM)
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 Romaine, D.R.
 Singh, Dr S.
 Thorington, N.
 Walter, H.J.
 Weldon, Miss G.M. (LM)
 Wheatley, R.W.C. (HM)
 Wilcock, T.G.

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 East Sussex, Greater London, Guernsey,
 Hampshire, Hertfordshire, Isle of Wight,
 Jersey, Kent, Oxfordshire, Surrey, West Sussex.

Chairman: Mr P. Cooney
Hon. Secretary: Joe Beagle
 19 Oxgate Gardens, Brent,
 London NW2 6EA
Telephone: 081 452 0203 (Home)

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 Brent, London Borough of
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 Broxbourne Borough Council
 Cherwell District Council
 Crawley Borough Council
 Croydon, London Borough of

36 Divisional Membership

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Eastbourne Borough Council
Elmbridge Borough Council
Epsom & Ewell District Council
Fareham Borough Council
Gosport Borough Council
Gravesham Borough Council
Greenwich, London Borough of
Guildford Borough Council
Hackney, London Borough of
Harrow, London Borough of
Hastings Borough Council
Havering, London Borough of
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Hounslow, London Borough of
Islington, London Borough of
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Kingston upon Thames, Royal Borough of
Lewes District Council
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Luton Borough Council
Mid Bedfordshire District Council
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Portsmouth City Council
Richmond upon Thames, London
Borough of
Rochester upon Medway City Council
Rother District Council
Sevenoaks District Council
Slough Borough Council
South Bedfordshire District Council
South Oxfordshire District Council
Southampton City Council
Southwark, London Borough of
Surrey Heath Borough Council
Sutton, London Borough of
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Westminster, City of
Woking Borough Council
Wokingham District Council

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Wycombe District Council

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Imperial Chemical Industries
Institute of Petroleum, The
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Health Officers, The
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National Power plc (SM)
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Oxford University-Environmental
Change Unit
RAC Motoring Services
Rotork Analysis Ltd
Sabre Gas Detection Ltd
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 Obasaju, E.D.
 O'Hara, J.P.

38 Divisional Membership

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Queree, N.	Vincent, K.
Quint, M.	Vine, Mr & Mrs G.M. (LM)
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Reed, L.E. (LM)	Wade, R.E.J.
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Sharp, D.H. (LM)	Williams, I.
Shillito, D.	Worley, S.
Simms, K.L.	

SOUTH WEST DIVISION

Avon, Cornwall, Devon, Dorset,
Gloucestershire, Somerset, Wiltshire.

Chairman: H. Dawson

Hon. Secretary: John Jefferies

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British Coal (SM) Fax: 0934 634634

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Cornwall College - Acoustics Group

Cross Manufacturing (1938) Ltd

Enviro Technology Services plc

HM Inspectorate of Pollution (SM)

National Rivers Authority (SM)

Nuclear Electric plc (SM)

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Gloucester City Council
Mendip District Council
North Wiltshire District Council
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South Hams District Council
South Somerset District Council
Stroud District Council
Taunton Deane Borough Council
Teignbridge District Council
Thamesdown Borough Council
Torbay Borough Council
Wansdyke District Council
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Weymouth & Portland Borough Council
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Association of Private Pet Cemeteries &
Crematoria
Balfour Beatty Civil Engineering Ltd

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Baxter, T. (LM)
Beaman, Dr A.L.
Beckwith, Dr P.
Bradford, F.J.
Bradley, D.
Bray, Dr A.J.
Briggs, E.B. (LM)
Clarke, A.J. (LM)
Clarke, B.
Dawson, H. (HM)
Dickerson, D.S.
Edwick, B.H. (HM)
Etheridge, Dr S.P.
Gair, Dr A.J.
Garrigan, O.L.
Hannabuss, G.H. (LM)
Hinchliffe, D.
Holman, Dr C.
Latham, M.
Lawson, Dr R.
Laxen, Dr D.
McArthur, R.J.
Nevard, L. (LM)
Newbery, Mrs J.
Pearse, J.D.
Price, B.
Redston, R.V. (LM)
Robertson, D.S. (LM)

40 Divisional Membership

Robson, A.
Stafford, S.J.
Street, A.
Turner, D.

Upton, B.C. (LM)
Vick, J.L. (LM)
Wade, Dr R.J.
Wright, D.

SOUTH AND MID WALES DIVISION

Wales except Clwyd and Gwynedd

Chairman: Cllr. H. Thomas
Hon. Secretary: Terry Jones
28 Maes-y-celyn, Griffithstown,
Pontypool, Gwent NP4 5DG
Telephone: 0495 756766 (Home)
Telephone: 0495 766775 (Office)
Fax: 0495 755513 (Office)

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Blaenau Gwent Borough Council
Cardiff City Council
Cynon Valley Borough Council
Dinefwr Borough Council
Islwyn Borough Council
Llanelli Borough Council
Lliw Valley Borough Council
Merthyr Tydfil Borough Council
Mid Glamorgan County Council
Neath Borough Council
Newport Borough Council
Port Talbot Borough Council
Preseli Pembrokeshire District Council
Radnorshire District Council
Rhondda Borough Council
Rhymney Valley District Council
Swansea City Council
Taff Ely Borough Council
Torfaen Borough Council
Vale of Glamorgan Borough Council
West Glamorgan County Council

CORPORATE MEMBERS

British Gas plc (SM)
British Steel plc
HM Inspectorate of Pollution (SM)
National Power plc (SM)
National Rivers Authority (SM)
South Glamorgan Institute of
Higher Education
Swansea Port Health Authority

INDIVIDUAL MEMBERS

Davies, G.H.
Davies, Ms M.K.
Dukes, P.
Evans, J.
Harrison, J.E.
Hogg, J.
Jones, L.G.
Parry, J.W. (LM)
Thayer, J.M.
Thomas, A.O.
Thomas, H.I. (HM)

(HM) Honorary Members
(LM) Life Members
(SM) Sustaining Members

**MEMORANDUM OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

*Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions
on 5 October 1981 and 23 October 1991.*

1. The name of the company (hereinafter called “the Society” is “The National Society for Clean Air and Environmental Protection”.
2. The registered office of the Society will be situate in England.
3. i) The object for which the Society is established is to seek the improvement of the environment by promoting clean air through the reduction of air pollution, noise and other atmospheric contaminants having regard for the implications for other aspects of the environment.
 - ii) a) To initiate, assist, promote and encourage the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention, and to undertake, or support or aid the undertaking of, investigations and research relevant to the causes and effects of pollution and the means to prevent it and to publish the results of such research.
 - b) To promote public education in all matters relating to the value and importance of clean air and methods and consequences of air pollution control and forms of pollution control by arranging meetings, publications, exhibitions, the delivery of lectures and addresses, the display of pictures, cinematograph films and models and by other means.
 - c) To encourage the adoption of methods to reduce and prevent pollution.
 - d) To promote, assist, support, or oppose, as may be consistent with the objects for which the Society is established, any administrative or other measures or proposed measures affecting pollution.
 - e) To initiate, support and co-operate with others in proposals and activities calculated to assist the promotion of the Society’s objects.
 - f) To establish, and support or aid in the establishment and support of any charitable association or institutions and to subscribe or guarantee money for charitable purposes in any way connected with the Society’s purposes or calculated to further its objects.
 - g) To purchase, take on lease or in exchange, hire or otherwise acquire any real or personal property and any rights or privileges which the Society may think necessary or convenient for the promotion of its objects, and to construct, maintain and alter any building or erections necessary or convenient for the work of the Society.

- h) To sell, let, mortgage, dispose of or turn to account all or any of the property or assets of the Society as may be thought expedient with a view to the promotion of its objects.
- i) To undertake and execute any trusts which may lawfully be undertaken by the Society and may be conducive to its objects.
- j) To borrow or raise money for the purposes of the Society and subject to this Memorandum of Association on such terms and on such security as may be thought fit.
- k) To invest the moneys of the Society not immediately required for its purposes in or upon such investments, securities or property as may be thought fit, but so that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners for England and Wales shall only be invested in such securities and with such sanction (if any) as may for the time being be prescribed by law.
- l) If and when considered advisable, to take all such measures as may be necessary to convert the Society into a body specially incorporated by Royal Charter or otherwise, or to secure the creation of a new body so incorporated with the object of carrying out the purposes of the Society and continuing the work thereof.
- m) To take all such steps as will further the attainment of the above objects or any of them.

PROVIDED FIRST that, notwithstanding anything contained in the preceding paragraphs of this Clause, the objects of the Society shall be restricted to such only of the objects aforesaid as are according to the law of England exclusively charitable.

PROVIDED SECONDLY that the Society's objects shall not extend to regulation of relations between workers and employers or organisations of workers and organisations of employers.

PROVIDED THIRDLY that in case the Society shall take or hold any property subject to the jurisdiction of the Charity Commissioners for England and Wales or the Secretary of State for Education and Science, the Society shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law and as regards any such property the Council of the Society (hereinafter called "the Council") shall be chargeable for any such property that may come into their hands and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as the Council would have been if no incorporation had been effected, and the incorporation of the Society shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Secretary of State for Education and Science over the Council but they shall as regards any such property be subject jointly and severally to such control or

authority as if the Society were not incorporated. In case the Society shall take or hold any property which may be subject to any trusts, the Society shall only deal with the same in such manner as allowed by law, having regard to such trusts.

4. The income and property of the Society, whencesoever derived, shall be applied solely towards the promotion of the objects of the Society as set forth in this Memorandum of Association and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend bonus or otherwise howsoever by way of profit, to the members of the Society.

PROVIDED that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration and pension to any officer or servant of the Society in return for any services actually rendered to the Society, nor prevent the payment of interest at a rate of 6% per annum on money lent or reasonable and proper rent for premises demised or let by any member to the Society nor prevent the gratuitous distribution among, or sale at a discount to, subscribers to the funds of the Society of any books or other publications, whether published by the Society or otherwise, relating to all or any of the Society's objects above set forth; but so that no member of the Council shall be appointed to any salaried office of the Society or any office of the Society paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Society to any member of the Council, except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Society; provided that the provision last aforesaid shall not apply to any payment to any company of which a member of the Council may be a member, and in which such member shall not hold more than one hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the provisions of the Memorandum or Articles of Association of the Society for the time being in force unless the same shall have been previously submitted to and approved by the Department of Trade.
6. The fourth and fifth paragraphs of the Memorandum of Association contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of section 19(1) of the Companies Act 1948.
7. The liability of the members is limited.
8. Every Member of the Society undertakes to contribute to the assets of the Society, in the event of the same being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts and liabilities of the Society contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required not exceeding 5s (25p).
9. If upon the winding up or dissolution of the Society there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall

not be paid to or distributed among the members of the Society, but shall be given or transferred to some other charitable institution or institutions having objects similar to the objects of the Society, and which shall prohibit the distribution of its or their income and property among its or their members to an extent at least as great as is imposed on the Society at or before the time of dissolution, and if and so far as effect cannot be given to such provision, then to some charitable object.

**ARTICLES OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions on 5 October 1981, 1 October 1984, 27 October 1986, 21 October 1991 and 19 October 1992.

DEFINITIONS

1. In these presents the words standing in the first column of the Table below shall bear the meaning set opposite to them respectively in the second column thereof, if not inconsistent with the subject or context:

Words

The Act of 1948
The Act of 1967
The Acts

The Bye-Laws

These presents
The Society
The Council

The Office
The Seal
The United Kingdom
Month
In writing

The Secretary General

Meaning

The Companies Act, 1948.
The Companies Act, 1967.
The Companies Act, 1948
and the Companies Act, 1967.
The Bye-Laws of the Society
from time to time in force.
These Articles of Association.
The above named Society.
The Council for the time being of the
Society.

The registered office of the Society.
The common seal of the Society.
Great Britain and Northern Ireland.
Calendar month.
Written, printed or lithographed, or partly one
and partly another, and other modes of
representing or reproducing words in a visible
form.

The Secretary for the time being or any person
appointed to perform the duties of Secretary of
the Society, in accordance with the Acts.

Representative of a Member	A Representative of a Local Authority or Corporate Member appointed under Article 4d or e, and whose appointment has been duly notified to the Secretary General.
Delegate	A Representative of a Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member to represent its local interests in the particular Division in which its Branch or Section is situated.

And words importing the singular number only shall include the plural number, and vice versa. Words importing the masculine gender only shall include the feminine gender and vice versa and words importing persons shall include corporations.

Subject as aforesaid, any words or expressions defined in the Acts or any statutory modification thereof in force at the date on which these presents become binding on the Society shall, if not inconsistent with the subject or context, bear the same meanings in these presents.

MEMBERSHIP

- 2. The number of members with which the Society is registered is unlimited.
- 3. The provisions of section 110 of the Act of 1948 shall be observed by the Society and every member of the Society, other than Honorary Members, shall either make a written request to become a member (which request may be included in his application for membership made in accordance with Article 4(i) of these presents) or sign a written consent to become a member or sign the register of members on becoming a member.
- 4. a) The members of the Society shall be the persons who are members of the Society and such other persons as the Council shall from time to time elect or recommend to the Society for election.
- b) The Society shall consist of a President, Vice-Presidents, Secretary General, Honorary Members, Individual Members, Local Authority Members, Corporate Members and Student Members. The Society may also have a Patron or Patrons as hereinafter mentioned.

Classes of Membership:

- c) Individual Members
 - i) Any individual who supports the objects of the Society shall be eligible for admission as an individual member.
 - ii) On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be earlier, individual members may, at the discretion of the Council, retain their membership as individual members of the Society on payment of a fixed sum as prescribed in the Bye-Laws of the Society.
- d) Local Authority Members
 - i) Any local authority supporting the objects of the Society shall be eligible for

admission as a local authority member. A local authority member shall be entitled from time to time to appoint, and to revoke the appointment of not more than five representatives. Each of the representatives of a local authority member shall be entitled to exercise on its behalf the same rights as an individual member and (if not himself an individual member) shall, by virtue of his appointment to any office of the Society or to membership of the Council.

- ii) For the purpose of this Article, the designation local authority shall be deemed to include health authorities and water authorities or such other like authorities as the Council shall from time to time admit for membership.

e) Corporate Members

- i) Any Society, Institution, Company, Association, Board or Group or educational establishment being in every case an incorporated body supporting the objects of the Society shall be eligible for admission as a corporate member. A corporate member shall be entitled to appoint representatives according to subscription as set out in the Bye-Laws, and any such representatives shall be entitled to exercise on its behalf the same rights as an individual member, and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- ii) An unincorporated body (including a firm) may not as such become a member of the Society, but if it desires to obtain the advantages of membership it may nominate representatives (determined according to subscription as aforesaid) to apply in its name for membership and exercise the rights of membership on its behalf. Every person so applying for membership shall be subject to the same rules and regulations as to admission and otherwise as any person not so nominated, and shall if admitted have the same rights and be subject to the same liabilities and incidents as any individual member except that (i) such persons shall be liable to pay such annual subscription as is appropriate to a corporate member (ii) if his nomination is revoked by such a body he shall cease to be a member. References in these presents or in the Bye-Laws to corporate members shall as far as the context admits include reference to unincorporated bodies having nominated representative members provided always that no such body shall as such have any rights of voting or otherwise or be deemed for any purpose to be a member of the Society.

f) Sustaining Members

Any member who subscribes not less than the sum prescribed in the Bye-Laws for this class of membership shall be eligible for admission as a sustaining member.

g) Honorary Members

Individuals who have rendered outstanding service in promoting the objects of the Society shall be eligible for admission as Honorary Members and such persons, being duly admitted shall enjoy all the privileges of membership (including the right to vote) except that they shall not by virtue of their Honorary

Membership alone be deemed to be members of the Society for the purpose of registering within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

h) Student Members

Any bona fide non-graduate student pursuing a course of study at school, college or university shall be eligible for admission as a student member on payment of the subscription prescribed in the Bye-Laws.

i) Application for Membership

Every person wishing to join the Society and eligible for election as a member, must apply in writing and shall deposit with such application the first annual subscription which shall be returned in the event of non-election.

j) Resignation of Members

i) Every member duly elected shall continue as such until he shall resign by notice in writing, to the Secretary General, such notice being accompanied by any monies due to the Society.

ii) The Council shall have the power to remove any member:

a) whose annual subscription has remained unpaid for two successive years, or

b) who, in the opinion of the Council has acted in a manner prejudicial to the interests and objects of the Society or has behaved in such a manner as to render his further membership detrimental to the interests of the Society, or

c) at its sole discretion without assigning any reason therefore.

Provided that in every case the member concerned shall have the opportunity to make representations defending his conduct in writing to the Council.

k) Annual Subscriptions

The Council shall make Bye-Laws from time to time to fix annual subscriptions payable by the various classes of member. The Bye-Laws shall be confirmed by the Society in General Meeting.

ANNUAL GENERAL MEETING

5. The Society shall hold a General Meeting in every calendar year as its Annual General Meeting at such time and place as may be determined by the Council, and shall specify the Meetings as such in the notices calling it, provided that every Annual General Meeting shall be held not more than fifteen months after the holding of the last preceding Annual General Meeting.

EXTRAORDINARY GENERAL MEETING

6. All General Meetings, other than Annual General Meetings, shall be called Extraordinary General Meetings.
7. The Council may whenever they think fit convene an Extraordinary General Meeting, and Extraordinary Meetings shall also be convened on such requisition, or in default may be convened by such requisitions, as provided by section 132 of the Act of 1948.

NOTICE OF MEETINGS

8. Twenty-one days' notice in writing at least of every Annual General Meeting and of every meeting convened to pass a Special Resolution, and fourteen days' notice in writing at the least of every other General Meeting (exclusive in every case both of the day on which it is served or deemed to be served and of the day for which it is given), specifying the place, the day and the hour of meeting, and in the case of business other than routine business the general nature of that business, shall be given in manner hereinafter mentioned to such persons (including the Auditors) as are under these presents or under the Act entitled to receive such notices from the Society; but with the consent of all the members having the right to attend and vote thereat, or of such proportion of them as is prescribed by the Act in the case of meetings other than Annual General Meetings, a meeting may be convened by such notice as those members may think fit.
9. The accidental omissions to give notice of a meeting to, or the non-receipt of such notice by, any person entitled to receive notice thereof shall not invalidate the proceedings at such meetings.

PROCEEDINGS AT GENERAL MEETINGS

10. Routine business shall mean and include only business transacted at an Annual General Meeting of the following classes, that is to say:
 - a) Reading and considering the accounts and balance sheet and the annual reports of the Council and the Auditors.
 - b) Appointing Auditors and fixing their remuneration.
 - c) Receiving the results of the election of the Council and other officers.
11. No business shall be transacted at any General Meeting unless a quorum is present when the meeting proceeds to business. Save as herein otherwise provided ten members or representatives of members personally present shall be a quorum.
12. If within half an hour from the time appointed for the holding of a General Meeting a quorum is not present, the meeting, if convened on the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, or at such other place as the Council may determine, and if at such adjourned meeting a quorum is not present within half an hour from the time appointed for holding the meeting the members present shall be a quorum.
13. The Chairman (if any) of the Council shall preside as Chairman at every General Meeting, but if there be no such Chairman, or if at any meeting he shall not be present within fifteen minutes after the time appointed for holding the same, or shall be unwilling to preside, the members present shall choose one of the Deputy Chairmen or some other member of the Council, or if no such member be present, or if all the members of the Council present decline to take the chair, they shall choose some member or representative of a member of the Society who shall be present to preside.
14. The Chairman may, with the consent of any meeting at which a quorum is present

(and shall if so directed by the meeting) adjourn the meeting from time to time, and from place to place, but no business shall be transacted at any adjourned meeting other than business which might have been transacted at the meeting from which the adjournment took place. Whenever a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given in the same manner as of an original meeting. Save as aforesaid, the members shall not be entitled to any notice of an adjournment, or of the business to be transacted at an adjourned meeting.

15. At any General Meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless a poll is, before or upon the declaration of the result of the show of hands, demanded by the Chairman or by at least five members or representatives of members present in person or by proxy, or by members or representatives of members present in person or by proxy and representing not less than one-tenth of the total voting rights of all the members and representatives of members having the right to vote at the meeting, and unless a poll be so demanded a declaration by the Chairman of the meeting that a resolution has been carried, or carried unanimously or by a particular majority or lost, or not carried by a particular majority, and an entry to that effect in the minute book of the Society shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against that resolution. The demand for a poll may be withdrawn.
16. Subject to the provisions of Article 17, if a poll be demanded in manner aforesaid, it shall be taken at such time and place, and in such manner, as the Chairman of the meeting shall direct, and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
17. No poll shall be demanded on the election of a Chairman of a meeting or on any question of adjournment.
18. In the case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting shall be entitled to a second or casting vote.
19. The demand for a poll shall not prevent the continuance of a meeting for the transaction of any business other than the question on which a poll has been demanded.

VOTES OF MEMBERS

20. Subject as hereinafter provided, every member shall have one vote. A local authority member or corporate member shall have one vote for each of its representatives which shall be exercisable by such representatives in person.
21. Except in accordance with Article 4g and 29, and unless the Council otherwise determine, no member other than a member duly registered, who shall have paid every subscription and other sum (if any) which shall be due and payable to the Society, in respect of his membership, shall be entitled to vote on any question either personally through its representatives or by proxy, or as a proxy for another member at any General Meeting.
22. a) Votes may be given on a poll either personally or by proxy. A proxy need not be a member.

- b) The instrument appointing a proxy shall be in writing under the hand of the appointer, or his attorney duly authorised in writing, or if such appointer is a corporation under its common seal, if any, and if none, then under the hand of some officer duly authorised in that behalf. In the case of a representative of a member any proxy shall be appointed by the member itself or its attorney and not by the representative.
- c) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarially certified or office copy thereof shall be deposited at the office not less than 48 hours before the time appointed for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of 12 months from the date of its execution.
- d) A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, provided that no intimation in writing of the death, insanity or revocation as aforesaid shall have been received at the office before the commencement of the meeting or adjourned meeting at which the proxy is used.
- e) An instrument appointing a proxy shall be in the common form or in such other form as the Council may accept, and shall be deemed to confer authority to demand or join in demanding a poll.

HONORARY OFFICERS

23. The officers of the Society shall consist of a President, Honorary Treasurer, Chairman and two Deputy Chairmen of the Council, the Immediate Past Chairman of the Council and may also include a Patron or Patrons as hereinafter mentioned.

PATRON

24. The Council may accept the patronage of any person or persons and shall thereupon elect such person or persons to be the Patron or Patrons of the Society for life or for such period as the Council may determine.

PRESIDENT

25. The President shall be elected annually by the Society under the Bye-Laws. No person shall hold the office of President for more than two years in succession.

HONORARY TREASURER

26. The Honorary Treasurer shall be elected annually by the Society under the Bye-Laws. The Honorary Treasurer shall be responsible for the uninvested funds of the Society and he shall cause all necessary and proper accounts to be kept in accordance with Article 47 hereof.

VICE-PRESIDENTS

27. a) Any person may be elected by the Society as a Vice-President providing that he

or she is a person of distinction in an appropriate field who is likely to promote actively the work of the Society.

- b) Vice-Presidents shall normally be elected for a term of three years and may stand for re-election.
- c) Vice-Presidents shall not exceed twelve in number.

CHAIRMAN AND DEPUTY CHAIRMEN

- 28. The Chairman and Deputy Chairmen shall be elected annually by the Council from its own members at its first meeting after the Annual General Meeting.
- 29. The Patron or Patrons (if any) of the Society, the President of the Society, and the Vice-Presidents shall enjoy all the rights of membership (including the right to vote) during their term of office except that they shall not by virtue of their office alone be deemed to be members of the Society for the purposes of registration within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

THE COUNCIL

- 30. Subject as hereinafter provided, the members of Council shall not be less than 20 in number. The Society may, by Ordinary Resolution from time to time, increase or reduce the minimum number of members of the Council. The Council may act notwithstanding any vacancies in their body, but if the members of the Council shall be reduced in number to less than that required for a quorum for their meetings, they may act as the Council for the purpose only of summoning a general meeting of the Society.
- 31. The Council shall consist of the Patron or Patrons (if any), the President, the immediate Past President, the Honorary Treasurer, the immediate past Chairman, a number of divisional representatives elected as hereinafter provided; and not more than a like number of other persons consisting of representatives of National or similar organisations which are corporate members of the Society, at the invitation of the Council. No person other than a member of the Society or a representative of a member may be appointed a member of the Council. The Council may from time to time and at any time appoint any member of the Society or a representative of a member as a member of the Council either to fill a casual vacancy or by way of addition to the Council. Any member so appointed shall retain his office only until the next Annual General Meeting, but he shall be eligible for re-election or re-appointment.

The term National or similar organisation shall refer to any institution, association, society or board or other similar organisation, the activities of which extend to the whole of the United Kingdom, or to England, Scotland, Wales or Northern Ireland, and which is accepted by the Council as a National or similar organisation for the purposes of these presents.

APPOINTMENT AND RETIREMENT OF MEMBERS OF THE COUNCIL

- 32. a) The members and representatives of members of each Division shall elect

annually from among their number representatives to be members of the Council. Divisional representatives shall be elected to the Council for a period of three years. One-third of the elected members shall retire in rotation each year; such members shall be eligible for re-election. The number of Divisional representatives to be elected by each Division shall each year be determined by the Council.

- b) A National or similar organisation shall be entitled to nominate annually one representative for membership of the Council under Article 31.
 - c) The elected members of the Council shall (unless re-elected) vacate office after three years in accordance with the provisions of Article 32a.
33. The office of a member of the Council shall be vacated:
- a) If he ceases to be a member or a representative of a member of the Society;
 - b) If by notice to the Society he resigns his office;
 - c) If a receiving order is made against him or he makes any arrangement or composition with his creditors;
 - d) If he becomes of unsound mind;
 - e) If he ceases to hold office by reason of any order made under section 188 of the Act of 1948;
 - f) If he is removed from office by a resolution duly passed pursuant to section 184 of the Act.
34. A member of the Council who has attained the age of seventy shall be eligible for election and the provision of subsections (1) and (2) of section 185 of the Act of 1948 shall not apply.

POWERS OF THE COUNCIL

35. The management of the Society shall be in the hands of the Council who may pay all expenses incurred in forming and registering the Society and may exercise all such powers of the Society as are not by the Act of 1948 or by these presents required to be exercised by the Society in General Meeting, subject nevertheless to any regulations of these presents, to the provisions of the Act of 1948, and to such regulations (not inconsistent with the aforesaid regulations or provisions) as may be prescribed by the Society in General Meeting, but no regulations so made by the Society shall invalidate any prior act of the Council which would have been valid if such regulations had not been made. The general powers given by this Article shall not be limited or restricted by any special authority or power given to the Council by any other Article.
36. i) The Council shall, as necessary, make and recommend the adoption, alteration and revocation of the Bye-Laws for the regulation of the Society and otherwise for the furtherance of the purposes for which the Society is established, provided that the Bye-Laws are not repugnant to the Memorandum of Association or these presents. Such recommendations of the Council shall be laid before the Society at the following Annual General Meeting or at an Extraordinary General Meeting called for that purpose for adoption, if thought fit, by Ordinary Resolution. The Bye-Laws for the time being in force shall be binding upon all members until varied or set aside as hereinafter provided. It is expressly declared that, without prejudice to the powers of the Society to adopt Bye-Laws on other

matters, the following shall be deemed to be matters which (so far as not governed by, and subject always to the provisions of, these presents) may be governed by Bye-Laws within the meaning of this Article, that is to say:

- a) As to entrance fees (if any) payable in respect of membership of the Society.
 - b) As to the annual, quarterly or other subscriptions or payments to be payable by the members of the Society.
 - c) As to the rights and privileges to be accorded to, and the qualifications, restrictions and conditions to be imposed on, members of the Society.
 - d) As to committees of members in connection with various branches of the Society's activities, and as to the appointment, removal, qualification, disqualification, duties, functions, powers and privileges of members of such committees.
 - e) As to the manner in which the election of officers and Council members shall be conducted.
 - f) As to the geographical divisions of the Society for electoral purposes, and the setting up and regulation of Divisional Councils and their membership, duties, functions and powers.
- ii) The Council shall have power to issue Standing Orders from time to time regulating the appointment of various committees from members of the Society or otherwise as provided herein for the better administration of the business of the Council and directing the terms of reference of such committees and the procedure governing the transaction of their business.
 - iii) Any Committee appointed in accordance with this Article shall have power to adopt persons to act as members of the committee whose qualifications or experience will assist the committee in its work, but the number of persons so adopted shall not exceed one-third of the membership of the committee excluding adopted members.

SECRETARY GENERAL

- 37. i) The Secretary General shall be appointed by the Council for such time at such remuneration and upon such conditions as they think fit, and any person so appointed may be removed by them. The provisions of section 177 and 179 of the Act of 1948 shall apply and be observed.
- ii) The Secretary General shall from time to time submit financial statements at the request of the Council. It shall be his duty, under the direction of the Council, to conduct the correspondence of the Society, to attend meetings of the Council and committees thereof, to take minutes of the proceedings of such meetings, to superintend the publication of such papers as the Council may direct, engage and be responsible for all persons employed under him, and, in general, conduct the ordinary business of the Society in accordance with the Memorandum and Articles of Association.
- iii) The Council may from time to time by resolution appoint an assistant or deputy Secretary General, and any person so appointed may act in place of the Secretary General if there be no Secretary General or no Secretary General capable of acting.

THE SEAL

38. The Council shall provide a Common Seal of the Society and make rules for the safe custody and use thereof, and it shall only be used by the authority of the Council previously given and in the presence of one member of the Council at least, and every such instrument shall be countersigned by the Secretary General or some other person duly authorised by the Council.

PROCEEDINGS OF THE COUNCIL

39. The Council may meet together for the dispatch of business, adjourn and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business. Unless otherwise determined, ten shall be a quorum. Questions arising at any meeting shall be decided by a majority of votes. In case of an equality of votes the Chairman shall have a second or casting vote.
40. Five members of the Council may, and on the request of five members of the Council the Secretary General shall, at any time, summon a meeting of the Council by notice served upon the several members of the Council. A member of the Council who is absent from the United Kingdom shall not be entitled to notice of a meeting.
41. The Chairman shall be entitled to preside at all meetings of the Council at which he shall be present, but if no such Chairman be elected, or if at any meeting the Chairman be not present within five minutes after the time appointed for holding the meeting and willing to preside, the members of the Council present shall choose one of the Deputy Chairmen and failing them one other of their number to be Chairman of the Meeting.
42. A meeting of the Council at which a quorum is present shall be competent to exercise all the authorities, powers and discretions by or under the regulations of the Society for the time being vested in the Council generally.
43. The Council may delegate any of their powers to committees consisting of such member or members of the Council as they think fit, and any committee so formed shall, in the exercise of the power so delegated, conform to any regulations imposed on it by the Council. The meetings and proceedings of any such committee shall be governed by the provisions of these presents for regulating the meetings and proceedings of the Council so far as applicable and so far as the same shall not be superseded by any Bye-Laws made by the Council.
44. All acts bona fide done by any meeting of the Council or any committee of the Council, or by any person acting as a member of the Council, shall notwithstanding it be afterwards discovered that there was some defect in the appointment or continuance in office of any such member or person acting as aforesaid or that they or any of them were disqualified, be as valid as if every such person had been duly appointed or had duly continued in office and was disqualified to be a member of the Council.
45. The Council shall cause proper minutes to be made of all appointments of officers made by the Council and of the proceedings of all meetings of the Society and of the Council and of committees of the Council, and all business transacted

at such meetings, and any such minutes of any meetings, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be sufficient evidence without any further proof of the facts therein stated.

46. A resolution in writing signed by a majority of the members for the time being of the Council or of any committee of the Council who are entitled to receive notice of a meeting of the Council or of such committee shall be as valid and effectual as if it had been passed at a meeting of the Council or of such committee duly convened and constituted.

ACCOUNTS

47. The Council shall cause proper books of account to be kept with respect to:
- a) all sums of money received and expended by the Society and the matters in respect of which such receipts and expenditure take place;
 - b) all sales and purchases of goods by the Society; and
 - c) the assets and liabilities of the Society.
- Proper books shall not be deemed to be kept if there are not kept such books of account as are necessary to give a true and fair view of the state of affairs of the Society and to explain its transactions.
48. The books of account shall be kept at the office, or subject to section 147(3) of the Act of 1948 at such other place or places as the Council shall think fit, and shall always be open to the inspection of the members of the Council.
49. The Council may from time to time impose reasonable restrictions as to the time and manner of the inspection by the members (other than members of the Council) or by representatives of members of the accounts and books of the Society, or any of them, and subject to such restrictions the accounts and books of the Society shall be open to the inspection of such members or representatives of members at all reasonable times during business hours.
50. The Council shall from time to time in accordance with sections 148, 150 and 157 of the Act of 1948 cause to be prepared and laid before the Society in General Meeting, such income and expenditure accounts, balance sheets and group accounts (if any) and reports as are referred to in those sections. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Society in General Meeting, together with a copy of the Auditors report, shall not less than twenty-one days before the date of the meeting be sent to every member of, and holder of debentures of, the Society. Provided that this Article shall not require a copy of those documents to be sent to any person of whose address the Society is not aware or to more than one of the joint holders of any debentures.

AUDIT

51. Once at least in every year the accounts of the Society shall be examined, and the correctness of the income and expenditure account and balance sheet ascertained by one or more properly qualified Auditor or Auditors.
52. Auditors shall be appointed and their duties regulated in accordance with

sections 159 to 162 of the Act of 1948, the members of the Council being treated as the Directors mentioned in those sections.

NOTICES

53. A notice may be served by the Society upon any member, either personally or by sending it through the post in a prepaid letter, addressed to such member at his registered address as appearing in the register of members.
54. Any member described in the register of members by an address not within the United Kingdom, who shall from time to time give the Society an address within the United Kingdom at which a notice may be served upon him, shall be entitled to have notices served upon him at such address, but, save as aforesaid and as provided by the Act, only those members who are described in the register of members by an address within the United Kingdom shall be entitled to receive notices from the Society.
55. Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same is put into the post, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office as a prepaid letter.

DISSOLUTION

56. Clause 9 of the Memorandum of Association of the Society relating to the winding up and dissolution of the Society shall have effect as if the provisions thereof were repeated in these Articles.

BYE-LAWS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Ordinary Resolution dated 29 March 1974 and as amended on 13 October 1976, 6 July 1977, 20 July 1978, 16 July 1980, 5 October 1981, 18 October 1982, 31 October 1983, 1 October 1984, 14 October 1985, 27 October 1986, 26 October 1987, 24 October 1988, 23 October 1989, 15 October 1990, 21 October 1991 and 4 October 1993.

DEFINITIONS

1. The Definitions section of the Articles of Association of the Society shall be deemed to be incorporated in and applied to these presents.

SUBSCRIPTIONS

2. Annual subscriptions shall be as hereinafter provided. A first annual subscription shall be made on application for membership and shall continue in force until the first day of April of the following year, when it shall be renewable.

a) Individual Members

- i) The annual subscription payable by an individual member shall be not less than £25.00. On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be the earlier, on payment of the sum of Fifty Pounds, individual members may, at the discretion of the Council, retain their membership of the Society in perpetuity, but always subject to the Council's right of removal.
- ii) Individual members may on payment of not less than Five Hundred Pounds become life members of the Society.

b) Local Authority Members

The annual subscription payable by a local authority shall be not less than as follows: for local authorities with a population of:

Less than 100,000	£345.00
100,001 to 250,000	£415.00
250,001 to 500,000	£500.00
500,001 to 1,000,000	£670.00
For each additional 500,000 or part thereof	£65.00

c) Corporate Members

The annual subscription payable by corporate members shall be as follows:

- i) Small local civic societies, colleges, schools and similar organisations — £45.00
- ii) Corporate and industrial organisations with less than 50 employees — £85.00
- iii) Corporate and industrial organisations with 50 to 199 employees — £175.00
- iv) Corporate and industrial organisations with 200 or more employees — £345.00
- v) Corporate and industrial organisations with regional, area or divisional offices — by negotiation.

d) Sustaining Members

The annual subscription for a sustaining member shall be not less than three times the minimum subscription payable by a local authority member under Bye-Law 2(b) or three times the subscription of a corporate member under Bye-Law 2(c)(iv).

e) Membership — Special Cases

Under the Bye-Laws the Council of the Society has the power to elect any applicant for membership to an appropriate grade of membership, on such special terms as to subscription or otherwise as after considering any reasons for so doing stated by such applicant the Council may think proper.

REPRESENTATIVES OF MEMBERS

3. a) Local Authority Members

Each local authority member shall be entitled to appoint not more than five representatives.

b) Corporate Members

- i) Corporate members elected to membership under Bye-Law 2(c)(i) shall each be entitled to appoint one representative.

- ii) Corporate members elected to membership under Bye-Law 2(c)(ii) shall each be entitled to appoint three representatives.
- iii) Corporate members elected to membership under Bye-Law 2(c)(iii) shall each be entitled to appoint four representatives.
- iv) Corporate members elected to membership under Bye-Law 2(c)(iv) shall each be entitled to appoint five representatives.
- v) Corporate members elected to membership under Bye-Law 2(c)(v) shall each be entitled to appoint representatives by negotiation.

RIGHTS OF MEMBERS

4. Each individual member, local authority member and corporate member and each representative of a local authority member or corporate member, who has paid the appropriate subscription for the current year, shall have the right to:
- i) Nominate individual members and representatives as officers or members of the Council;
 - ii) Be nominated and elected as an officer or member of the Council;
 - iii) Cast one vote at elections;
 - iv) Receive notices of and attend and participate in all meetings of the Society and of the member's Division;
 - v) Move or second, and cast one vote on motions at meetings of the Society and of the member's Division;
 - vi) Receive free of charge as they are issued the Journal and Members Handbook of the Society;
 - vii) Obtain from the Society, advice and information on questions relating to pollution and its control.

DIVISIONS

5. a) For administrative and electoral purposes the Society shall be divided into geographical Divisions as follows:

Scotland

Northern Ireland

Northern: Cleveland, Cumbria (in part, only — Allerdale District Council, City of Carlisle and Eden District Council), Durham, Northumberland, Tyne and Wear.

North West: Cheshire, Clwyd, Cumbria (in part, only — Barrow-in-Furness Borough Council, Copeland District Council and South Lakeland District Council), Greater Manchester, Gwynedd, Lancashire, Merseyside.

Yorkshire and Humberside: Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

West Midlands: Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.

East Midlands: Cambridgeshire, Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire.

Eastern: Essex, Norfolk, Suffolk.

South East: Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Greater London, Hampshire, Hertfordshire, Isle of Wight, Kent, Oxfordshire, Surrey, West Sussex.

South West: Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.

South and Mid Wales: Wales except for Clwyd and Gwynedd.

- b) Members shall normally be considered as belonging to the Division in which their address, as entered upon the Society's records, is situated. However, members may elect to belong to another Division better suited to their needs.
- c) For the purposes of carrying out activities in a Division, the members, as hereinafter defined, may elect from among themselves a Divisional Council and its Honorary Officers. A Divisional Council and its Honorary Officers, other than Secretary and auditors, shall consist only of members, representatives and delegates of members. The Constitution and activities of a Divisional Council shall be subject to the general approval of the Council which shall pay or make grants for approved expenses.
- d) The members, representatives and delegates of members, as hereinafter defined, in any town or district within a Division, may, if they so desire, and with the approval of the Council and of their Divisional Council, set up a branch of the Division and elect committees and Honorary Officers. The activities of a branch shall be subject to the general approval and guidance of the Council and of the Divisional Council and the Divisional Council may pay and make grants for approved expenses.

PRESIDENT, VICE-PRESIDENTS, HONORARY MEMBERS AND HONORARY TREASURER

- 6. a) The President and an Honorary Treasurer shall be elected annually on the recommendation of the Council by the Society at its Annual General Meeting.
- b) Vice-Presidents shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.
- c) Honorary Members shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.

THE COUNCIL

- 7. a) The business of the Society shall be specified in Article 35 and shall include the direction of the policy of the Society, the work of its committees, the reception of reports from such committees, from Divisions, from Headquarters and subject groups.
- b) The Council at its first meeting after election shall elect from its own members, a Chairman, two Deputy Chairmen and the following committees:
 - i) Finance and Administration
 - ii) Conference and Promotions
 - iii) Technical
 - iv) Parliamentary and Local Government
 - v) Noise
 - vi) Any other committee considered by the Council to be necessary.
- c) The Chairman of Council, the two Deputy Chairmen of Council, the Honorary Treasurer, the Chairmen of the standing committees (or Deputies in their absence) and the Immediate Past Chairman of Council shall comprise a Steering

Group and will meet as required with the following terms of reference:

- To implement Council policy
 - To ensure that the programmes of the standing committees are comprehensive and appropriately interlocking
 - To formulate proposals for policy changes
 - To act on behalf of the Council in cases of urgency
 - To report to the next following meeting of Council any action taken on its behalf.
- d) There shall also be a Nominations Committee, appointed by the Council. The terms of reference of this committee shall be as set out in the Standing Orders of the Council.
- e) The procedure for the election of Chairman, Deputy Chairmen and committees, and the rules and functions of all committees, shall be decided by the Council.

ELECTIONS

8. a) President, Vice-Presidents, Honorary Members and Honorary Treasurer. Nominations for the office of President, Vice-Presidents, Honorary Members and Honorary Treasurer may be made by any member of the Society. Nominations, in writing, shall be received by the Secretary General not less than three months prior to the date of the Annual General Meeting.
- b) i) Divisional representatives (elected in accordance with Article 32(a)). Each member may nominate Divisional representatives for his own Division provided that he does not nominate more than the total number to be appointed by that Division. Nominations shall be made to the Divisional Secretary not less than seven days before the date of the Annual General Meeting of the Division. In the event of more nominations being received than there are Divisional Representatives to be appointed, elections by ballot shall be held at the Annual General meeting of the Division. The result of such an election is to be reported to the Secretary General of the Society not later than seven days before the date of the Society's Annual General Meeting. The names of the persons so elected shall be announced at such Annual General Meeting.
- ii) No member or representative of a member shall nominate, be nominated for, or vote in any Divisional election other than that of which he is a member or representative.
- c) Representatives of National or similar organisations (in accordance with Article 32(b)). Nominations from National or similar organisations shall be received by the Secretary General not less than seven days before the date of the Annual General Meeting.
- d) No nomination for office shall be considered valid unless the agreement of the candidate has been previously obtained.

INTERPRETATION OF BYE-LAWS

9. The Council shall have full power to decide any question of interpretation of these Bye-Laws and any other question on which these Bye-Laws are silent, subject to the power of the Society in any subsequent general meeting to review any such decision and to make new provision in relation thereto.

Telephone codes change
April '95

DIRECTORY OF ENVIRONMENTAL AND RELATED ORGANISATIONS

For ease of reference entries in this directory are arranged in alphabetical order with a classified index. Brief descriptions are included of organisations whose titles are not self explanatory. Organisations are classified under the following headings:

Air Pollution
Built Environment
Consumer Issues
Countryside Commission
Development
Energy
Environmental Education
Environmental Law
General Environment
Health

Industrial Organisations
Local Government Organisations
Meteorology
Noise Pollution
Pesticides
Research
Transport
Waste/Recycling
Water Pollution

National and International organisations are listed separately.

ACTION ON SMOKING AND HEALTH (ASH)

109 Gloucester Place
London W1H 3PH
Tel: 071 935 3519

ADVISORY COMMITTEE ON BUSINESS AND THE ENVIRONMENT (ACBE)

Department of Trade and Industry
151 Buckingham Palace Road
London SW1W 9SS
Tel: 071 215 1042

AIRFIELDS ENVIRONMENT FEDERATION (AEF)

Sir John Lyon House
5 High Timber Street
London EC4V 3NS
Tel: 071 329 8159

AIRPORTS POLICY CONSORTIUM

County Hall
Kingston upon Thames
Surrey KT1 2DT
Tel: 081 541 9459

ALKALI AND RADIOCHEMICAL INSPECTORATE NORTHERN IRELAND

Department of the Environment for
Northern Ireland
Calvert House
23 Castle Place
Belfast BT1 1FY
Tel: 0232 230560

**ASBESTOS REMOVAL
CONTRACTORS' ASSOCIATION**

Friars House
6 Parkway
Chelmsford
Essex CM2 0NF
Tel: 0245 259744

**ASSOCIATION FOR THE
PROTECTION OF RURAL
SCOTLAND**

Charleston Dalguise
Nr. Dunkeld
Perthshire PH8 0JX
Tel: 0350 728712

**ASSOCIATION FOR THE
REDUCTION OF AIRCRAFT NOISE
(ARRAN)**

11 First Street
London SW3
Tel: 071 584 1848

**ASSOCIATION OF BRITISH SOLID
FUEL APPLIANCE
MANUFACTURERS (ABSAM)**

Savoy Tower, 11th Floor
77 Renfrew Street
Glasgow G2 3BZ
Tel: 041 332 0826

**ASSOCIATION OF COUNTY
COUNCILS (ACC)**

Eaton House
66A Eaton Square
London SW1W 9BH
Tel: 071 201 1500

**ASSOCIATION FOR THE
CONSERVATION OF ENERGY (ACE)**

9 Sherlock Mews
London W1M 3RH
Tel: 071 935 1495

**ASSOCIATION OF DISTRICT
COUNCILS (ADC)**

26 Chapter Street
London SW1P 4ND
Tel: 071 233 6868

**ASSOCIATION OF METROPOLITAN
AUTHORITIES (AMA)**

35 Great Smith Street
London SW1P 3BJ
Tel: 071 222 8100

**ASSOCIATION OF NOISE
CONSULTANTS**

6 Trap Road
Guilden Morden
Nr. Royston
Herts SG8 0JE
Tel: 0763 852958

**ATMOSPHERIC RESEARCH &
INFORMATION CENTRE (ARIC)**

Dept of Environment & Geographical
Science
Manchester Metropolitan University
Chester Street
Manchester M1 5GD
Tel: 061 247 1592

ATOMIC ENERGY AUTHORITY

Harwell
Oxon OX11 0RA
Tel: 0235 821111

AUDIT COMMISSION

1 Vincent Square
London SW1P 2PN
Tel: 071 828 1212

**BRITISH AEROSOL
MANUFACTURERS ASSOCIATION**

Kings Buildings
Smith Square
London SW1P 3JJ
Tel: 071 828 5111

BRITISH COAL

Hobart House
Grosvenor Place
London SW1X 7AE
Tel: 071 201 4141

**BRITISH COMBUSTION
EQUIPMENT MANUFACTURERS'
ASSOCIATION**
See GAMBICA

BRITISH GAS PLC

Rivermill House
152 Grosvenor Road
London SW1V 3JL
Tel: 071 821 1444

BRITISH LUNG FOUNDATION

8 Peterborough Mews
London SW6 3BL
Tel: 071 371 7704

**BRITISH NUCLEAR ENERGY
SOCIETY (BNES)**

1-7 Great George Street
London SW1P 3AA
Tel: 071 222 7722

BRITISH ROAD FEDERATION

194-202 Old Kent Road
London SE1 5TG
Tel: 071 703 9769

BRITISH STANDARDS INSTITUTION

Information Office
Linford Wood
Milton Keynes MK14 6LE
Tel: 0908 226888

**BRITISH WIND ENERGY
ASSOCIATION (BWEA)**

4 Hamilton Place
London W1V 0BQ
Tel: 071 499 3515/0753 882447

**BUILDING RESEARCH
ESTABLISHMENT**

Building Research Station
Bucknalls Lane
Garston
Watford WD2 7JR
Tel: 0923 894040
Research in building design and materials.

**BUILDING SERVICES RESEARCH
AND INFORMATION ASSOCIATION**

Old Bracknell Lane West
Bracknell
Berkshire RG12 7AM
Tel: 0344 426511

**CAMPAIGN FOR FREEDOM OF
INFORMATION**

88 Old Street,
London EC1V 9AR
Tel: 071 253 2445

**CENTRE FOR ALTERNATIVE
TECHNOLOGY (CAT)**

Machynlleth

Powys SY20 9AZ

Tel: 0654 702400

Working demonstration and information on sustainable technologies.

CIVIC TRUST

17 Carlton House Terrace

London SW1Y 5AW

Tel: 071 930 0914

Maintains standards of environmental quality and management in the inhabited environment.

**CLIMATE ACTION NETWORK
(CAN)**

21 Tower Street

London WC2H 9NS

Tel: 071 497 2712

International information exchange on climate change.

**COAL RESEARCH
ESTABLISHMENT**

Stoke Orchard

Cheltenham

Glos GL52 4RZ

Tel: 0242 673361

**COMBINED HEAT AND POWER
ASSOCIATION**

3rd Floor, Grosvenor Gardens House

35-37 Grosvenor Gardens

London SW1W 0BS

Tel: 071 828 4077

**CONFEDERATION OF BRITISH
INDUSTRY (CBI)**

Centre Point

103 New Oxford Street

London WC1A 1DU

Tel: 071 379 7400

Environment division provides information for member companies.

CONSUMERS ASSOCIATION (CA)

2 Marylebone Road

London NW1 4DX

Tel: 071 486 5544

Research and publications on consumer goods and services.

**CONVENTION OF SCOTTISH
LOCAL AUTHORITIES**

Rosebery House

9 Haymarket Terrace

Edinburgh EH12 5XZ

Tel: 031 346 1222

**COUNCIL FOR ENVIRONMENTAL
EDUCATION (CEE)**

University of Reading

London Road

Reading RG1 5AQ

Tel: 0734 756061

Coordinating body for promotion of environmental education.

**COUNCIL FOR THE PROTECTION
OF RURAL ENGLAND (CPRE)**

Warwick House

25 Buckingham Palace Road

London SW1W 0PP

Tel: 071 976 6433

Information and publications on planning related issues.

**COUNCIL FOR THE PROTECTION
FOR RURAL WALES (CPRW)**

Ty Gwyn
31 High Street
Welshpool
Powys SY21 7JP
Tel: 0938 552525

COUNTRYSIDE COMMISSION

John Dower House
Crescent Place
Cheltenham
Glos GL50 3RA
Tel: 0242 521381

**COUNTRYSIDE COUNCIL FOR
WALES**

Plas Penrhos
Penrhos Road
Bangor
Gwynedd LL57 2LQ
Tel: 0248 370444

CYCLISTS TOURING CLUB (CTC)

Cotterell House
69 Mead Row
Godalming
Surrey GU7 3HS
Tel: 0483 417217
Association devoted to the protection of
cyclists interests - research and information
on cycling policy.

DEPARTMENT OF HEALTH

Richmond House
79 Whitehall
London SW1A 2NS
Tel: 071 210 3000

**DEPARTMENT OF THE
ENVIRONMENT (DOE)**

Air and Noise Division
Romney House
43 Marsham Street
London SW1P 3PY
Tel: 071 276 8322
& General Switchboard
Tel: 071 276 3000

**DEPARTMENT OF THE
ENVIRONMENT NORTHERN
IRELAND**

Parliament Buildings
Stormont, Upper Newtonards Road
Belfast BT4 3SS
Tel: 0232 520000

**DEPARTMENT OF TRADE &
INDUSTRY (DTI)**

Ashdown House
123 Victoria Street
London SW1E 6RB
Tel: 071 215 5000
DTI Environmental Helpline
Tel: 0800 585794

**DEPARTMENT OF TRANSPORT
(DOT)**

2 Marsham Street
London SW1P 3EB
Tel: 071 276 0800

ENERGY EFFICIENCY OFFICE

2 Marsham Street
London SW1P 3EB
Tel: 071 276 6200

*Ad
Roy Town Planning Institute*

**ENERGY TECHNOLOGY SUPPORT
UNIT (ETSU)**

AERE Harwell Laboratory
Didcot

Oxon OX11 0RA

Tel: 0235 821000

Research and information on renewable
energy.

ENGLISH NATURE

Northminster House
Peterborough PE1 1UA

Tel: 0733 340345

Government body promoting nature
conservation.

ENVIRONMENT COUNCIL

21 Elizabeth Street
London SW1W 9RP

Tel: 071 824 8411

**ENVIRONMENTAL LAW
FOUNDATION**

Lincoln's Inn House
42 Kingsway

London WC2B 6EY

Tel: 071 404 1032

Organisation offering advice on
environmental legislation.

**ENVIRONMENTAL TRANSPORT
ASSOCIATION (ETA)**

Old Post House
Heath Road
Weybridge

Surrey KT13 8RS

Tel: 0932 828882

FILTRATION SOCIETY

48 Springfield Road

Horsham

West Sussex

RH12 2PD

Tel: 0403 259419

FORESTRY COMMISSION

231 Corstorphine Road

Edinburgh EH12 7AT

Tel: 031 334 0303

**FOUNDATION FOR
INTERNATIONAL
ENVIRONMENTAL LAW &
DEVELOPMENT (FIELD)**

46/47 Russell Square

London WC1B 4JP

Tel: 071 637 7950

Promotion and development of the use of
international environmental law.

FRIENDS OF THE EARTH

26-28 Underwood Street

London N1 7JQ

Tel: 071 490 1555

Campaigns on a range of local and national
environmental issues.

**FRIENDS OF THE EARTH
(SCOTLAND)**

72/74 Newhaven Road

Bonnington Mill Business Centre

Edinburgh EH6 5QG

Tel: 031 554 9977

FUEL INDUSTRY ASSOCIATION

Century House

100 High Street

Banstead

Surrey SM7 2NN

Tel: 0737 370077

GAMBICA (The Association for the Instrumentation, Control & Automation Industry in the UK)
Leicester House
8 Leicester Street
London WC2H 7BN
Tel: 071 437 0678

GREEN ALLIANCE
49 Wellington Street
London WC2E 7BN
Tel: 071 836 0341/8670
Information and coordination on environmental policy.

GREENPEACE LTD
Canonbury Villas
London N1 2PN
Tel: 071 354 5100

HEALTH AND SAFETY COMMISSION (HSC)

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF

Tel: 071 ~~343~~ 6000 → 717

Promotes the protection of people at work and the public from industrial hazards.

HEALTH AND SAFETY EXECUTIVE (HSE)

Baynards House
1 Chepstow Place
Westbourne Grove
London W2 4TF

Tel: 071 ~~343~~ 6000 → 717

Public enquiry point: 0742 892345
Enforcement of health and safety law in industrial premises.

HEALTH EDUCATION AUTHORITY
Hamilton House
Mabledon Place
London WC1A 9TX
Tel: 071 383 3833

HEATING AND VENTILATION CONTRACTORS ASSOCIATION (HCVA)

ESCA House
34 Palace Court
Bayswater
London W2 4JG
Tel: 071 229 2488

INTERNATIONAL CENTRE FOR CONSERVATION EDUCATION (ICCE)

Greenfield House
Guiting Power
Cheltenham GL54 5TZ
Tel: 0451 850777
Promotes the understanding of conservation and sustainable development worldwide.

INTERNATIONAL INSTITUTE FOR ENVIRONMENT & DEVELOPMENT

3 Endsleigh Street
London WC1H 0DD
Tel: 071 388 2117
Promotion of environment and economic development.

INVESTIGATION OF AIR POLLUTION STANDING CONFERENCE (IAPSC)

329 Harwell
Didcot
Oxfordshire OX11 0RA
Tel: 0235 432986

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Missing!!!

**LOCAL GOVERNMENT
MANAGEMENT BOARD**

41 Belgrave Square
London SW1X 8NZ
Tel: 071 235 6081

**LONDON BOROUGH
ASSOCIATION**

College House
Great Peter Street
London SW1P 3LM
Tel: 071 799 2477

LONDON HAZARDS CENTRE

3rd Floor, Headland House
308 Gray's Inn Road
London WC1 8DS
Tel: 071 837 5605
Research and information on hazards in the
workplace environment.

**LONDON WASTE REGULATION
AUTHORITY**

Hampton House
20 Albert Embankment
London SE1 7TJ
Tel: 071 587 3000

**LOW FREQUENCY NOISE
SUFFERERS ASSOCIATION
(LFNSA)**

6 Hyatt Place
Shepton Mallet
Somerset BA4 5XY
Tel: 0749 345643

**LOW TEMPERATURE COAL
DISTILLERS' ASSOCIATION OF
GREAT BRITAIN LTD**

PO Box 21
Chesterfield
Derbyshire S44 6AB
Tel: 0246 822281/9

**MANCHESTER AREA POLLUTION
ADVISORY COUNCIL (MAPAC)**

Environmental Health Dept
Town Hall
Manchester M60 2JB
Tel: 061 234 5000

MARINE CONSERVATION SOCIETY

9 Gloucester Road
Ross-on-Wye
Herefordshire HR9 5BU
Tel: 0989 66017

METEOROLOGICAL OFFICE

London Road
Bracknell
Berkshire RG12 2SZ
Tel: 0344 420242

**MIDLAND JOINT ADVISORY
COUNCIL FOR ENVIRONMENTAL
PROTECTION**

Environmental Health and Housing Dept
South Staffordshire District Council
Council Offices
Codsall
Wolverhampton WV8 1PX
Tel: 0902 846111 x 2217

**MINISTRY OF AGRICULTURE
FISHERIES & FOOD (MAFF)**

Whitehall Place
London SW1A 2HH
Tel: 071 270 8080

**MONITORING AND ASSESSMENT
RESEARCH CENTRE (MARC)**

The Old Coach House
Campden Hill
London W8 7AD
Tel: 071 376 1577

**MOTOR INDUSTRY RESEARCH
ASSOCIATION**

Watling Street
Nuneaton
Warwickshire CV10 0TU
Tel: 0203 348541

**NATIONAL ASSOCIATION FOR
ENVIRONMENTAL EDUCATION
(NAEE)**

Wolverhampton University
Walsall Campus
Gorway
Walsall WS1 3BD
Tel: 0922 31200

**NATIONAL ASSOCIATION OF
WASTE DISPOSAL CONTRACTORS
(NAWDC)**

Mount Barrow House
6-20 Elizabeth Street
London SW1W 9RB
Tel: 071 824 8882

NATIONAL ASTHMA CAMPAIGN

Providence House
Providence Place
London N1 0NT
Tel: 071 226 2260

**NATIONAL CONSUMER COUNCIL
(NCC)**

20 Grosvenor Gardens
London SW1W 0DH
Tel: 071 730 3469
Research and promotion of consumer
issues.

NATIONAL ENERGY FOUNDATION

Rockingham Drive
Linford Wood
Milton Keynes MK14 6EG
Tel: 0908 672787

**NATIONAL ENVIRONMENTAL
TECHNOLOGY CENTRE**

329 Harwell
Didcot
Oxfordshire OX11 0RA
Tel: 0235 432986
DTI laboratory researching air pollution
monitoring and abatement

**NATIONAL INDUSTRIAL FUEL
EFFICIENCY SERVICE LTD
(NIFES)**

NIFES House
Sinderland Road
Broadheath
Altrincham
Cheshire WA14 5HQ
Tel: 061 928 5791

NATIONAL POWER

Senator House
Queen Victoria Street
London EC4V 4DP
Tel: 071 454 9494

**NATIONAL RADIOLOGICAL
PROTECTION BOARD (NRPB)**

Chilton
Didcot
Oxfordshire OX11 ORQ
Tel: 0235 831600

NATIONAL RECYCLING FORUM

6/8 Great George Street
Leeds LS1 3DW
Tel: 0532 431562

**NATIONAL RIVERS AUTHORITY
(NRA)**

30-34 Albert Embankment
London SE1 7TL
Tel: 071 820 0101

**NATIONAL TRUST for Places of
Historic Interest or Natural Beauty**

36 Queen Anne's Gate
London SW1H 9AS
Tel: 071 222 9251

**NATURAL ENVIRONMENT
RESEARCH COUNCIL (NERC)**

Polaris House
North Star Avenue
Swindon SN2 1EU
Tel: 0793 411500

**NATURE CONSERVANCY COUNCIL
FOR SCOTLAND**

12 Hope Terrace
Edinburgh EH9 2AS
Tel: 031 447 4784

**NEIGHBOURHOOD ENERGY
ACTION (NEA)**

St Andrews House
90/92 Pilgrim Street
Newcastle upon Tyne NE1 6SG
Tel: 091 261 5677
Aims to publicise and solve the problem of
fuel poverty.

NOISE ABATEMENT SOCIETY

PO Box 8, Bromley
Kent BR2 0UH
Tel: 081 460 3146

NOISE COUNCIL

16 Great Guildford Street
London SE1 0ES

**NORTHERN IRELAND WATER
SERVICE HEADQUARTERS**

Northland House
3 Frederick Street
Belfast BT1 2NS
Tel: 0232 244711

NUCLEAR ELECTRIC PLC

Barnett Way
Barnwood
Gloucester GL4 7RS
Tel: 0452 652222

**NUCLEAR INDUSTRY
RADIOACTIVE WASTE
EXECUTIVE (NIREX)**

Harwell
Didcot
Oxon OX11 0RH
Tel: 0235 825500

**PARLIAMENTARY AND
SCIENTIFIC COMMITTEE**

30 Farringdon Street
London EC4A 4EA
Tel: 071 634 1480

PESTICIDES TRUST

Eurolink Business Centre
49 Effra Road
London SW2 1BZ
Tel: 071 274 8895

To raise awareness of health and environmental implications of pesticides.

PLANTLIFE

Natural History Museum
Cromwell Road
London SW7 5BD
Tel: 071 938 9111

To protect and create plant-rich habitats.

POWERGEN

Haslocks Green Road
Shirley
West Mids B90 4PD
Tel: 021 701 2000

**RIGHT TO PEACE & QUIET
CAMPAIGN**

PO Box 968
London SE2 9RL
Tel: 081 312 9997

**ROYAL COMMISSION ON
ENVIRONMENTAL POLLUTION
(RCEP)**

Church House
Great Smith Street
London SW1P 3BZ
Tel: 071 276 2080

**ROYAL ENVIRONMENTAL HEALTH
INSTITUTE OF SCOTLAND (REHIS)**

3 Manor Place
Edinburgh EH3 7DH
Tel: 031 225 6999

**ROYAL INSTITUTE OF PUBLIC
HEALTH AND HYGIENE (RIPHH)**

28 Portland Place
London W1N 4DE
Tel: 071 580 2731/2

**RSNC WILDLIFE TRUST
PARTNERSHIP**

Whitham Park
Waterside South
Lincoln LN5 7JR
Tel: 0522 544400

**ROYAL SOCIETY FOR THE
PROTECTION OF BIRDS (RSPB)**

The Lodge
Sandy
Bedfordshire SG19 2DL
Tel: 0767 680551

**ROYAL METEOROLOGICAL
SOCIETY**

104 Oxford Road
Reading
Berks RG1 7LJ
Tel: 0734 568500

SCOTTISH OFFICE, ENVIRONMENT

Environmental Protection Division
27 Perth Street
Edinburgh EH3 5RB
Tel: 031 556 8400

*Royal Town Planning Institute.
26 Portland Place
London W1N 4BE
Tel: 071 636 9107*

**SCOTTISH ENVIRONMENTAL
EDUCATION COUNCIL**

University of Stirling
Stirling FK9 4LA
Tel: 0786 467867

SCOTTISH NATURAL HERITAGE

Battleby
Redgorton
Perth PH1 3EW
Tel: 0738 27921

**SCOTTISH RIVER PURIFICATION
BOARDS ASSOCIATION**

1 South Street
Perth PH2 8NG
Tel: 0738 27989

**SOCIETY OF BRITISH GAS
INDUSTRIES**

36 Holly Walk
Leamington Spa
Warwickshire CV32 4LY
Tel: 0926 334357/8/9

**SOCIETY OF MOTOR
MANUFACTURERS AND TRADERS**

Forbes House
Halkin Street
London SW1X 7DS
Tel: 071 235 7000

**SOLID SMOKELESS FUELS
FEDERATION**

Devonshire House
Church Street
Sutton-in-Ashfield
Nottingham NG17 1AE
Tel: 0623 550411

**SOUND RESEARCH
LABORATORIES**

Holbrook House
Little Wardingfield
Sudbury
Suffolk CO10 0TH
Tel: 0787 247595

**STEEL CAN RECYCLING
INFORMATION BUREAU**

69 Monmouth Street
London WC2H 9DG
Tel: 071 379 1306

TIDY BRITAIN GROUP

The Pier
Wigan
Greater Manchester WN3 4EX
Tel: 0942 824620

**TOWN AND COUNTRY PLANNING
ASSOCIATION (TCPA)**

17 Carlton House Terrace
London SW1Y 5AS
Tel: 071 930 8903/4/5
Campaigns to improve the environment
through effective planning.

TRANSPORT 2000

Walkden House
10 Melton Street
Euston, London NW1 2EJ
Tel: 071 388 8386
Promotion of environmentally sound and
socially responsible transport policies.

**TRANSPORT RESEARCH
LABORATORY**

Department of Transport
Old Wokingham Road
Crowthorne
Berkshire RG11 6AU
Tel: 0344 773131

Take out next year.

**UK CENTRE FOR ECONOMIC &
ENVIRONMENTAL
DEVELOPMENT (CEED)**

3e Kings Parade
Cambridge CB2 1SJ

Tel: 0223 67799

Promotion of sustainable development.

**UK ENVIRONMENTAL LAW
ASSOCIATION (UKELA)**

Stephen Lloyd, Secretary
c/o Bates, Wells and Braithwaite
61 Charterhouse Street
London EC1M 6HA

Tel: 071 251 1122

**UK PETROLEUM INDUSTRY
ASSOCIATION (UKPIA)**

9 Kingsway
London WC2B 6XH

Tel: 071 240 0289

~~WARMER CAMPAIGN (World Action
for Recycling Materials & Energy from
Rubbish)~~ *World Resource*

Bridge House
High Street

Tonbridge
Kent TN9 1DP

Tel: 0732 368333

Promotion of the recovery of materials and
energy from household waste.

WASTEWATCH

Hobart House
Grosvenor Place
London SW1X 7AE

Tel: 071 245 9718

National Agency for the promotion of re-
cycling.

**WATCH Trust for Environmental
Education**

Whitham Park
Waterside South
Lincoln LN5 5JR

Tel: 0522 544400

WATT Committee on Energy

40 Grosvenor Place
London SW1X 7AE

Tel: 071 235 2565

Promotion of research and development on
all aspects of energy.

**WOMEN'S ENVIRONMENTAL
NETWORK**

Aberdeen Studio
22 Highbury Grove
London N5 2EA

Tel: 071 354 8823

**WORLDWIDE FUND FOR NATURE
(WWF)**

Panda House
Weyside Park
Godalming
Surrey GU7 1XR

Tel: 0483 426444

*Foundation
(WRF)*

CLASSIFIED INDEX

Air Pollution

Atmospheric Research and Information
Centre
British Aerosol Manufacturers Association
Climate Action Network
Department of the Environment
Department of the Environment Northern
Ireland
Friends of the Earth
Friends of the Earth (Scotland)
Greenpeace Ltd
Investigation of Air Pollution Standing
Conference
Manchester Area Pollution Advisory
Council
Midland Joint Advisory Council for
Environmental Protection
Monitoring and Assessment Research
Centre
National Environment Research Centre
Pesticides Trust
WATCH Trust for Environmental
Education
Worldwide Fund for Nature

Built Environment

Building Research Establishment
Civic Trust
Institution of Civil Engineers
London Hazards Centre
Town and Country Planning Association

Consumer Issues

Consumers Association
National Consumer Council

Countryside Conservation

Association for the Protection of Rural
Scotland
Council for the Protection of Rural
England
Council for the Protection of Rural Wales
Countryside Commission
Countryside Council for Wales
English Nature
Forestry Commission
Ministry of Agriculture, Fisheries and
Food
Natural Environment Research Council
Nature Conservancy Council for Scotland
National Trust
Plantlife
RSNC Wildlife Trust
Royal Society for the Protection of Birds

Environmental Education

Centre for Alternative Technology
Council for Environmental Education
International Centre for Conservation
Education
Scottish Environmental Education Council
WATCH Trust for Environmental
Education
Worldwide Fund for Nature

Environmental Law

Environmental Law Foundation
Foundation for International
Environmental Law and Development
UK Environmental Law Association

Environmental Policy

Confederation of British Industry
Environment Council

Green Alliance
Parliamentary and Scientific Committee
Royal Commission for Environmental
Protection
Women's Environmental Network

Health

Action on Smoking and Health
Asthma Society
British Lung Foundation
Department of Health
Health and Safety Commission
Health and Safety Executive
Health Education Authority
London Hazards Centre
National Radiological Protection Board
Pesticides Trust
Royal Environmental Health Institute
of Scotland
Royal Institute of Public Health and
Hygiene
Women's Environmental Network

Industrial

Advisory Committee on Business and the
Environment
Alkali and Radiochemical Inspectorate
Northern Ireland
Audit Commission
Asbestos Removal Contractors Association
British Aerosol Manufacturers Association
British Combustion Equipment
Manufacturers Association
British Standards Institution
Confederation of British Industry
Department of Trade and Industry
Filtration Society
GAMBICA
Heating and Ventilation Contractors
Association

HM Industrial Pollution Inspectorate
for Scotland
HM Inspectorate of Pollution
HMIP Northern Division
HMIP West Division
Industry Council for Packaging and the
Environment
Institute of Energy
Institute of Petroleum
Institute of Road Transport Engineers
Institution of Mechanical Engineers
Institution of Plant Engineers
Motor Industry Research Association
Society of Motor Manufacturers and
Traders

Local Government

Association of County Councils
Association of District Councils
Association of Metropolitan Authorities
Convention of Scottish Local Authorities
Institution of Environmental Health
Officers
Local Government Management Board
London Boroughs Association
Manchester Area Pollution Advisory
Council
Midland Joint Advisory Council for
Environmental Protection
Royal Environmental Health Institute of
Scotland

Meteorology

Atmospheric Research and Information
Centre
Climate Action Network
Meteorological Office
Royal Meteorological Society

Noise Pollution

Association for the Reduction of Aircraft Noise
Association of Noise Consultants
Institute of Acoustics
Institute of Sound and Vibration Research
Low Frequency Noise Sufferers Association
Midland Joint Advisory Council for Environmental Protection
Noise Abatement Society
Noise Council
Sound Research Laboratories
The Right to Peace and Quiet Campaign
UK Environmental Law Association

Pesticides

Ministry of Agriculture Fisheries and Food
Pesticides Trust

Research

Asthma Society
Atmospheric Research and Information Centre
British Lung Foundation
Building Research Establishment
Centre for Alternative Technology
Climate Action Network
Coal Research Establishment
Consumers Association
Institute of Environmental Assessments
Institute for European Environmental Policy
International Institute for Environment and Development
Monitoring and Assessment Research Centre

National Environmental Technology Centre
Natural Environment Research Council
Royal Commission on Environmental Pollution
Sound Research Laboratories

Transport

Airfields Environment Federation
Airports Policy Consortium
Association for the Reduction of Aircraft Noise
British Cycling Federation
British Road Federation
Cyclists Touring Club
Department of Transport
Environmental Transport Association
Friends of the Earth
Greenpeace Ltd
Institute of Road Transport Engineers
Motor Industry Research Association
Society of Motor Manufacturers and Traders
Transport 2000
Transport Research Laboratory

Waste/Recycling

Friends of the Earth
Greenpeace Ltd
Industry Council for Packaging and the Environment
Institution of Waste Management
London Waste Regulation Authority
National Association of Waste Disposal Contractors
Nuclear Industry Executive
Steel Can Recycling Bureau
Tidy Britain Group
Warmer
Wastewatch
Worldwide Fund for Nature

Water

Department of the Environment

Friends of the Earth

Greenpeace Ltd

Marine Conservation Society

National Rivers Authority

Northern Ireland Water Council

Scottish River Purification Boards

Association

WATCH Trust for Environmental

Education

INTERNATIONAL DIRECTORY

NATIONAL ORGANISATIONS

ARGENTINA

**Argentine Association Against
Environmental Contamination
(AACCA)**

25 de Mayo 749

ler piso

1002 Buenos Aires

Tel: (+54-1) 342-4205

Fax: (+54-1) 962-5341

President: Dr Juan Augustín Moretton

AUSTRALIA

**Clean Air Society of Australia and
New Zealand (CASANZ)**

PO Box 191

Eastwood

New South Wales 2122

Tel: (+61-3) 858 4663

Fax: (+61-2) 858 3854

Secretary: Mr P Williams

AUSTRIA

**Austrian Society for Air and Soil
Pollution Prevention**

c/o Environmental Protection Agency
Spittelauerlände 5

A-1090 Vienna

Tel: (+43-222) 31304-460

Fax: (+43-222) 31394-400

International Coordinator:

Dip Ing Isabella Hammer-Kossina

BELGIUM

**Royal Flemish Chemical Society -
Environment and Safety Section**

p.a. Bayer Antwerpen NV

Adfeling Mileieuanalyse

Haven 507 - Scheldelaan 420

B-2040 Antwerpen

Tel: (+32-3) 540 3321

Fax: (+32-3) 540 3808

International Coordinator: Dr R Bouckaert

BRAZIL

**Brazilian Association for Ecology and
Air Pollution Prevention (ABEPPOLAR)**

PO Box 64586

cep 05497-970

São Paulo

Tel: (+55-11) 259 8253

Fax: (+55-11) 492 4582

President: Randolpho Marques Lobato

CHINA

**Chinese Society of Environmental
Sciences (CSES)**

Xizhimennei Nanxiaojie 115

Beijing 100035

Secretary: Hou Xushong

CROATIA

**Croatian Air Pollution Prevention
Association (CAPPA)**

Institute for Medical Research and
Occupational Health

University of Zagreb

CAPPA

Ksaverska c. 2

41000 Zagreb

Tel: (+38-41) 434 188

Fax: (+38-41) 274 572

President: Dr Fedor Valic

CZECH REPUBLIC

Czech Association of IUAPPA (CA-IUAPPA)

Doubravčická 10

Praha 10 100 00

Tel: (+42-2) 78 11 674

Fax: (+42-2) 78 11 674

President: Professor L Vegh

FINLAND

Finnish Air Pollution Prevention Society (FAPPS)

~~PO Box 335~~ *Stef*

~~SF-00131 Helsinki~~

Tel: (+358-0) 45 66 159

Fax: (+358-0) 45 52 408

(Mail - Ms Merja Tolvanen, ~~Technical~~

~~Research Centre of Finland, PO Box 206,~~

~~SF-02151 Espoo~~ *VTT/Chemical Technology*

~~Environmental Technology~~ *PO Box 1403*

~~FIN-02044 VTT, Finland~~

FRANCE

Association for the Prevention of Atmospheric Pollution (APPA)

58 rue du Rocher

75008 Paris

Tel: (+33-1) 42 93 62 07

Fax: (+33-1) 42 93 41 99

President: M Pierre Gaussens

GERMANY

Commission on Air Pollution Prevention in VDI and DIN

Robert-Stolz-Strasse 5

Postfach 10 11 39

D-40002 Düsseldorf 1

Tel: (+49-211) 6214-532

Fax: (+49-211) 6214-157

Secretary: Dr-Ing Klaus Grefen

HONG KONG

The Hong Kong Institution of Engineers (HKIE)

9/F Island Centre

No 1 Great George Street

Causeway Bay

Tel: (+852) 895 4446

Fax: (+852) 577 7791

Secretary: Mr J L Boyd

INDIA

Indian Association for Pollution Control (IAAPC)

1347/B-I

Vasant Kunj

New Delhi 110030

Tel: (+91-11) 6893952

Fax: (+91-11) 6893952

President: Prof J M Dave

ISRAEL

Israel Society for Ecology and Environmental Quality Sciences (ISEEQS)

Department of Environmental Sciences

The Hebrew University

Jerusalem 91904

Tel: (+972-2) 636841

Fax: (+972-2) 637260

International Coordinator:

Professor Menachem Luria

ITALY

Air Pollution Study Committee (CSIA-ATI)

Engineering Sciences & Technology
Institute

Via all'Opera Pia 15

16145 Genova

Tel: (+39-10) 3532916

Fax: (+39-10) 3532586

International Coordinator:

Professor Antero Barbieri

JAPAN

Japanese Union of Air Pollution Prevention Associations (JUAPPA)

c/o International Affairs Department
Japan Environmental Management
Association for Industry (JEMAI)
Hirokohji NDK Building, 5th Floor
17-6, Ueno 1-chome

Taitoh-ku, Tokyo 110

Tel: (+81-3) 3832 7084

Fax: (+81-3) 3832 7021

Secretary General: Tatsuo Hiratani

KENYA

Kenya Energy and Environmental Organisations (KENGO)

Mwanzi Road

Westlands

PO Box 48197

Nairobi

Tel: (+254-2) 749747

Fax: (+254-2) 749382

International Coordinator:

Mr K G O Wafula

KOREA

Korea Air Pollution Research Association (KAPRA)

Department of Atmospheric Sciences

Seoul National University

Seoul 151-742

Fax: (+82-2) 883 4972

International Coordinator:

Professor Soon-Chang Yoon

KUWAIT

Environmental Protection Council

PO Box 24395

13104 Safat

Tel: (+965) 245 2790/6835

Fax: (+965) 245 6836

Secretary General: Ibrahim M Hadi

MALAYSIA

Environmental Protection Society, Malaysia (EPSM)

PO Box 382

46740 Petaling Jaya

Tel: (+60-3) 775 7767

Fax: (+60-3) 775 4039

President: Ir Gurmit Singh KS

NETHERLANDS

Society for Clean Air in the Netherlands (CLAN)

PO Box 6012

2600 JA Delft

Tel: (+31-15) 69 68 84

Fax: (+31-15) 61 31 86

Secretary: Dr J van Ham

NORWAY

Norwegian Clean Air Association (RLF)

PO Box 2312 Solli

N-0201 Oslo

Tel: (+47-2) 838330

Secretary: ~~Vigdis Ekeberg~~

Sissel Krisfiansen

PERU

Peruvian Association for the Prevention of Air Pollution (SPPAGAL)

Casilla 14.0246

Lima 14

President: M A Vizcarra Andreu

PAKISTAN

Pollution Control Society of SIND, Karachi-Pakistan

IV-D Ground Floor

Razia Commercial Centre

Nazimabad

Karachi - 18

President: Mansoor R Zaidi

KOREA AIR POLLUTION RESEARCH ASSOCIATION

202-3 YANGJAE-DONG, SOCHO-GU, SEOUL 137-130, KOREA

TEL: + 82 2 579-1427

FAX: + 82 2 571-3029

June 20, 1994

Ms. Loveday Murley

Editor, IUAPPA

136 North Street - Brighton BN1 1RG

Fax: 44 (273) 735802

Dear Loveday:

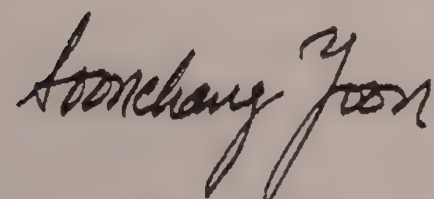
S
✓
refn

I am very sorry for late submission of the Korean chapter for the Clean Air around the World, 3rd edition. It will be ready by the end of June, and I will send it to you via DHL.

Also, there have been some changes in KAPRA. Prof. Dong Hun Sohn is elected for the president of KAPRA for the two-year term from May 1994 to April 1996. He is a professor of pharmacy at Joong-Ang University. New secretary of general is Mr. Min Young Kim, Manager of Air Quality Department, Seoul Metropolitan Government Institute of Health and Environment. The office of KAPRA has moved to Mr. Kim's office, and the phone numbers are changed also. The new address and phone number are listed in the heading of this letter.

For further informations, please contact me at my university address.

Sincerely,



Soon-Chang Yoon

International Coordinator, KAPRA

Business Address: Department of Atmospheric Sciences

Seoul National University

Seoul 151-742, Korea Fax: +82 2 883-4972



INSTITUTE FOR MEDICAL RESEARCH AND OCCUPATIONAL HEALTH
UNIVERSITY OF ZAGREB

2 Ksaverska cesta, PO Box 291
41001 Zagreb, Croatia

Phone: 385 41 434 188
Fax: 385 41 274 572

28 July 1994

Dear Ms Murley

I am sending you a copy of our chapter on a word processor disk and I hope that it will be compatible. I am sending you a new fax number.

I look forward to hearing from you.

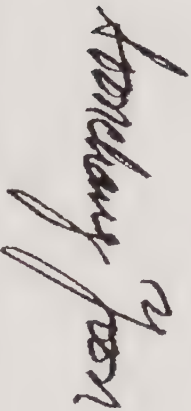
Yours sincerely

dr. sc. Vadjic Vladimira

general is Mr. Min Young Kim, Manager of Air Quality Department, Seoul Metropolitan Government Institute of Health and Environment. The office of KAPRA has moved to Mr. Kim's office, and the phone numbers are changed also. The new address and phone number are listed in the heading of this letter.

For further informations, please contact me at my university address.

Sincerely,



Soon-Chang Yoon

International Coordinator, KAPRA

Business Address: Department of Atmospheric Sciences

Seoul National University

Seoul 151-742, Korea Fax: +82 2 883-4972

ROMANIA

Romanian Society of Hygiene and Public Health

1-3 Dr Leonte Str.

76256 Bucharest

Tel: (+40-1) 6383970

Fax: (+40-1) 3123426

President: Prof Manole Cucu Md, PhD

SAUDI ARABIA

Meteorology and Environmental Protection Administration (MEPA)

PO Box 1358

Jeddah 21431

Tel: (+966-2) 6512312

Fax: (+966-2) 6511124

President: Abdulbar A Al-Gain

SINGAPORE

Environmental Engineering Society of Singapore Clean Air Section

Kent Ridge

PO Box 1007

Singapore 9111

President: Prof K K Chin

SLOVENIA

Union of the Societies for the Protection of the Environment in Slovenia

Celovska 43

Ljubljana 61000

Tel: (+38-61) 126 170

International Coordinator:

Marjana Kranjc Voncina

SOUTH AFRICA

National Association for Clean Air (NACA)

PO Box 5777

Johannesburg 2000

Tel: (+27-11) 646 2210

Fax: (+27-11) 646 2210

Director: Mr Roy Stephenson

TAIWAN

Environmental Protection Society

PO Box 9-5

Chung-Li 320

Tel: (+886-3) 425-6886

Fax: (+886-3) 425-3204

President: Prof Shih Chong Lu

THAILAND

Asia Society for Environmental Protection (ASEP)

c/o CDG-South East Asia Program Office (SEAPO)

Asian Institute of Technology

GPO Box 2754

Bangkok 10501

Tel: (+66-2) 5245363/4

Fax: (+66-2) 5245390

International Coordinator: Jay Wisecarver

TURKEY

Turkish National Committee for Air Pollution Research and Control (TUNCAP)

Dokuz Eylül University

Faculty of Engineering & Architecture

Department of Environmental Engineering

Bornova 35100 - Izmir

Tel: (+90-51) 882108

Fax: (+90-51) 887864

President: Prof Dr Aysen Müezzinoğlu

USA

The Air and Waste Management Association

PO Box 2861

Pittsburgh

Pennsylvania 15230

Tel: (+1-412) 232-3444

Fax: (+1-412) 232 3450

Executive Vice-President: Martin E Rivers

INTERNATIONAL ORGANISATIONS

Commission of European Communities

Information Office
8 Storey's Gate
London SW1P 3AT
Tel: 071 973 1992

CONCAWE (Conservation of Clean Air and Water in Western Europe)

Madouplein 1
B1030 Brussels
Belgium
Tel: (+32-2) 222 03111

Council of Europe

Information Department
Palais de l'Europe
BP 431 R6
67006 Strasbourg Cedex
France
Tel: (+33) 88 61 49 61

European Environmental Bureau (EEB)

Rue de la Victoire
B-1060 Bruxelles
Belgium
Tel: (+32-2) 5390037
Fax: (+32-2) 5390921

European Parliament Information Office

2 Queen Anne's Gate
London SW1H 9AA
Tel: 071 222 0411

International Association on Water Quality

1 Queen Anne's Gate
London SW1H 9BT
Tel: 071 222 3848

Organisation for Economic Cooperation & Development (OECD)

2 rue Andre Pascal
75775 Paris Cedex 16
France
Tel: (+331) 45 24 82 00

The United Nations Economic Commission for Europe

Palais des Nations
CH-1211 Geneva 10
Switzerland
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National Society for Clean Air and Environmental Protection
136 North Street - Brighton BN1 1RG

Note telephone codes change in April '95.

84 Manufacturers, Suppliers & Consultants

DIRECTORY OF POLLUTION CONTROL EQUIPMENT MANUFACTURERS, SUPPLIERS & CONSULTANTS

The following is a list of companies which manufacture or supply pollution control equipment and/or provide a consultancy service. Companies are listed in alphabetical order, with a classified index of specific services/products.

Inclusion of any company/product in this guide does not imply endorsement by NSCA.

ACOUSTICAL INVESTIGATION & RESEARCH ORGANISATION LTD (AIRO)

Duxons Turn
Maylands Avenue
Hemel Hempstead
Herts HP2 4SB
Tel: 0442 247146
Fax: 0442 256749

AIRO offers independent consultancy and measurement services for any scale of project in the fields of acoustics and noise/vibration control. AIRO's expertise includes environmental assessments in relation to various noise sources, architectural acoustics and presentation of expert testimony. AIRO is also accredited as a NAMAS TESTING Laboratory No 0483.

AEA TECHNOLOGY

551 Harwell
Didcot
Oxfordshire OX11 0RA
Tel: 0235 463040
Fax: 0235 463050

As part of its environmental portfolio, AEA Technology provides a full range of air monitoring services covering on line measurements giving instantaneous results, independent assessments, cost effective sam-

pling techniques, extensive laboratory and analytical back up and advice on legislative requirements and compliance.

AERCON ENGINEERING GROUP LTD

Woodside Road
Eastleigh
Hants SO5 4ZD
Tel: 0703 614322
Fax: 0703 620649

Design, manufacture and installation of ventilation systems and associated noise control equipment. Suppliers of Delbag air filtration equipment.

AIR IMPROVEMENT CENTRE LTD

23 Denbigh Street
London SW1V 2HF
Tel: 071 834 2834
Fax: 071 630 8485

Specialist suppliers and consultants on air purifiers, ionisers, humidifiers, dehumidifiers and mobile air conditioners. All leading makes supplied from stock. London showroom and shop. Nationwide despatch service.

AIROIL-FLAREGAS LTD

PO Box 92
Horton Road
West Drayton
Middlesex UB7 8BG
Tel: 0895 444031
Fax: 0895 420982
Telex: 23923 AIROIL G

Designers and manufacturers of combustion systems including: oil and gas burners, associated pipework and valves, flares, incinerators, flame failure, ignition and burner related control equipment.

AMBUCO PROCESS EQUIPMENT LTD

55 London Road
Raunds
Wellingborough
Northants NN9 6EH
Tel: 0933 624424
Fax: 0933 626400
Telex: 312305

Over 30 years experience in air pollution control systems; manufacturers of a wide range of equipment for dust and fume control including wet scrubbers, cyclones, multicyclones, fabric filters, close capture hoods and catalytic incineration systems for VOC emission control. Comprehensive consultancy service available with airflow and emission testing facilities.

ANACON CORPORATION LTD

Goodsons Industrial Mews
Wellington Street
Thame
Oxon OX9 3XB
Tel: 0844 260460
Fax: 0844 217220
Telex: 83424

Anacon Corporation manufactures a range of high quality, low cost particulate monitors. The Model 406 has been independently validated by TUV Essen. The Model 336 has new optical technology that allows it to work in ducts with strong ambient light. We also manufacture an indicative monitor.

BCRA SCIENTIFIC & TECHNICAL SERVICES LTD

Mill Lane
Wingerworth
Chesterfield
Derbyshire S42 6NG
Tel: 0246 209654
Fax: 0246 272247

Independent environmental/fuel consultants; stack emission/general air pollution measurement; COSHH assessment/monitoring; Environmental Protection Act audits; environmental impact evaluation; odour measurement/impact study; liquid effluent analysis; treatment plant design; troubleshooting; maintenance services etc; analysis of PAHs, dioxins and pesticides.

BELSTOCK CONTROLS

10 Moss Hall Crescent,
Finchley
London N12 8NY
Tel: 081 446 8210
Fax: 081 446 6991

Belstock Controls supply multi component process/flue/ambient gas analysers for all gases, opacity, dust for on-line measurement, in-line and laboratory particle size analysers working at full process concentrations without need for dilution, range 0.7

86 Manufacturers, Suppliers & Consultants

to 1000 microns. Also provide in-line measurement of concentration using refractometers, turbidity and suspended solids monitors from ppm to 20% solids.

BMT FLUID MECHANICS LTD

Orlando House
1 Waldegrave Road
Teddington
Middlesex TW11 8LZ
Tel: 081 943 5544
Fax: 081 943 4434
Telex: 263118

The company provides a comprehensive set of environmental services, with particular expertise in air quality and atmospheric pollution dispersion, cleaner technology and emission control. Facilities include an extensive range of software models, a computational fluid dynamics (CFD) unit and seven wind tunnels.

BRITISH STEEL TECHNICAL

Environmental Services Department
Swinden Laboratories
Moorgate
Rotherham
South Yorkshire S60 3AR
Tel: 0709 820166
Fax: 0709 825400

A consultancy covering the measurement, modelling and control of environmental problems. The service includes air pollution, water, wastes, industrial hygiene, noise and vibration. Environmental audit expertise is also available and major R&D projects can be conducted for customers.

CARTER INDUSTRIAL PRODUCTS LTD

Bedford Road
Birmingham
B11 1AY
Tel: 021 772 4300 x 317
Fax: 021 772 3672
Telex: 339219 Carter G

Bag Filters (Shake and Reverse Jet Types); Cartridge Filters; Oil Mist Coalescing Filters; Wet Collectors; Wet Gas Scrubbers; Insertable Filters; Automatic Self Cleaning Water Filters with no internal moving parts; Hydrocyclones and Cooling Towers 20m³/h to 10.000m³/h.

CASELLA LONDON LTD

Regent House
Wolseley Road
Kempston
Bedford MK42 7JY
Tel: 0234 841441
Fax: 0234 841490
Telex: 827707

Worldwide manufacturer and supplier of occupational health and safety equipment; air sampling pumps and accessories, direct reading dust monitors, airborne bacteria samplers, portable and fixed gas monitoring instrumentation. Casella also supply a full range of meteorological instruments to measure temperature, humidity, pressure, sunshine, rainfall, wind speed and wind direction.

DCE LTD

Humberstone Lane
Thurmaston
Leicester LE4 8HP
Tel: 0533 696161
Fax: 0533 693028
Telex: 342409 DUST G

DCE manufacture and sell dust control systems including the Unimaster range of intermittent motorised shaker cleaned fabric filters, the continuous operating reverse jet cleaned fabric (Dalamatric) range of filters and polymer based (Sintamatic) range of filters.

DENVER PROCESS EQUIPMENT LTD

Stocks House
North Street
Leatherhead
Surrey KT22 7AX
Tel: 0372 379313
Fax: 0372 379504
Telex: 23704 DENVER G

Denver Sala offer a complete design, manufacture and after sales service for the Joy range of air pollution control equipment. Particulates and mist removal is achieved with electrostatic, fabric filter, wet scrubber and dynamic separators. Whilst for odour removal by biodegradation Denver Sala have the Clairtech range of microbiological filters.

DUSTCHECK LTD

Unit 2
China Street
Fenton
Stoke on Trent ST4 3NJ
Tel: 0782 599454
Fax: 0782 599478

Manufacturers of a complete range of cartridge filter dust collectors for all industrial applications of "dust control". Design, manufacture and installation of complete systems. COSHH assessments, service contracts and provision of special filters for any air filtration requirement eg uptake filter, pressure vessel bodies etc.

DUSTRACTION LTD

PO Box 75
Mandervell Road
Oadby
Leicester LE2 5ND
Tel: 0533 713212
Fax: 0533 713215

Design, manufacture and installation of all types of dust and fume control equipment. Fans, ducting, filters, scrubbers, cyclones etc.

ELE INTERNATIONAL LTD

Eastman Way
Hemel Hempstead
Hertfordshire HP2 7HB
Tel: 0442 218355
Fax: 0442 252474
Telex: 825239 ELE LTD G

ELE International manufacture environmental monitoring equipment. Applications cover water quality testing, ground contamination surveys, industrial emissions monitoring, soil studies, environmental datalogging and plant and pollution monitoring. The equipment is suitable for education, research, industry, consultancies and government sectors.

ENVIRO TECHNOLOGY SERVICES plc

Environment House
Dudbridge Road
Stroud
Gloucestershire GL5 3EE
Tel: 0453 751641
Fax: 0453 757596

Builders and suppliers of monitoring systems and equipment, including ADNet 1000 networked air quality monitoring stations and OPSIS (DOAS) open-patch multi-analytical systems for air quality and process emissions (CEM) monitoring. Also software-based systems for 'What If?' simulations and Total Air Quality Management, and emissions computers. Complete mobile laboratories built.

**ENVIRONMENTAL
BIOTECHNOLOGY LTD**

Great House Street
Timberscombe TA24 7TQ
Tel: 0643 841680
Fax: 0643 841358

Environmental Biotechnology Ltd (EBL) offers fully independent consultancy services in the industrial effluent sector. EBL's Waste Audit can result in significant savings. EBL evaluates effluent treatment at laboratory and pilot-scale where appropriate, advises on feasibility and selection of full-scale plant and provides independent advice on all technical requirements.

**ENVIRONMENTAL ADVISORY UNIT
LTD**

Yorkshire House
Chapel Street
Liverpool L3 9AG
Tel: 051 255 1115
Fax: 051 258 1511

Multidisciplinary environmental consultancy with five sections operating in field of: 1. Pollution services - including contaminated land, landfill gas, occupational health and safety, environmental audits/management systems, noise and ambient air/stack gas emissions; 2. Terrestrial ecology; 3. Coastal Ecology; 4. Aquatic ecology and pollution; 5. Landscape planning and design. Work areas - UK and overseas.

**ENVIRONMENTAL RESOURCES
MANAGEMENT**

106 Gloucester Place
London W1H 3DB
Tel: 071 465 7200
Fax: 071 935 8355
Telex: 296359 ERM G

ERM is a major and well established environmental consultancy, with several UK offices and many more around the world. The company is able to provide a service across a broad range of environmental issues for a wide variety of clients. It has specialist teams for air quality, acoustics and contaminated land.

**ENVIRONMENTAL TECHNOLOGY
RESEARCH**

Stowe Castle Business Park
Buckingham
Bucks MK18 5AB
Tel: 0280 822155
Fax: 0280 822299

Manufacture and supply of dust meters and monitors for continuous quantitative or indicative measurement of particulate content in emissions to atmosphere from a wide range of industrial processes. Units can be supplied for measurement at single or multiple locations.

Control.



ERG (AIR POLLUTION) LTD

Enviro-Centre
Foundry Lane
Horsham
West Sussex RH13 5QG
Tel: 0403 271711
Fax: 0403 271671

Manufacturers of turnkey systems for removal and control of air pollution from dust, fume and industrial odours; comprising cyclones, packed towers, impingement tray scrubbers, Venturi scrubbers, demisters, dust collectors, fume extraction systems; water treatment plant, inhouse effluent treatment equipment available.

ERWIN SICK OPTIC-ELECTRONIC LTD

Waldkirch House
39 Hedley Road
St Albans
Herts AL1 5BN
Tel: 0727 831121
Fax: 0727 856767

Comprehensive range of in-situ instruments for the measurement of opacity, dust, various pollutant gases and gas velocity in stacks to meet the requirements of EPA. Also available are emission computers/data loggers, and iso-kinetic stack sampling systems for particulate concentration measurement and environmental sensors for motorway and tunnel use.

FAST ENGINEERING LTD

Old Mill Industrial Estate
Antrim
Co Antrim
Northern Ireland BT41 4QE
Tel: 0849 428686
Fax: 0849 429929

Manufacturers, Suppliers & Consultants 89

Fastank emergency storage containers for liquid holding, decontamination of personnel and equipment, fire provision and animal rescue. Fastank 2000 gl (10m^3) and Fastank Rapide 350 gl (1.5m^3) can be erected in minutes by one person without tools. They are lightweight and can be hand carried to emergency situations. Disposable liners and other accessories are available.

FILTERMIST INTERNATIONAL PLC

Faraday Drive
Bridgenorth
Shropshire WV15 5BA
Tel: 0746 765361
Fax: 0746 766882

Oil mist, oil smoke and dust filters for industrial application and associated accessories.

GENERAL ACOUSTICS LTD

Salter Road
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Tel: 0723 584250
Fax: 0723 583728

Noise at Work" competent persons seminar. Hire of noise measurement equipment. Consultancies for dust and noise.

HADEN DRYSYS ENVIRONMENTAL LTD

Swan Office Centre
1506-1508 Coventry Road
Yardley
Birmingham DY9 0XP
Tel: 021 765 4040
Fax: 021 706 6865
Telex: 336644 HADDRY G

Design, installation and commissioning of VOC abatement and odour control systems. We offer a problem solving approach to air pollution control using our range of recuperative, regenerative and catalytic thermal oxidisers and our adsorption and scrubbing equipment. Each plant will be integrated into your process to minimise capital and running costs.

— **HALCROW FOX**

Vineyard House
44 Brook Green
Hammersmith
London W6 7BY
Tel: 071 603 1618
Fax: 071 603 5783

Halcrow Fox is a multi-disciplinary consultancy whose services include environmental assessment studies throughout the world. Specialist skills include the measurement, assessment and control of noise and vibration, the development of computer modelling techniques, air quality surveys, pollution dispersion modelling, the preparation of environmental statements and provision of expert evidence.

— **HASKEL ENERGY SYSTEMS LTD**

North Hylton Road
Sunderland
Tyne and Wear SR5 3JD
Tel: 091 549 1212
Fax: 091 549 0911
Telex: 53624 HASKEL G

Manufacture and supply of Jetflow airmovers for ventilation of mines, tunnels and confined spaces. Also used for fume extraction. Jetflow fume diluters for cooling and diluting engine exhausts. Firestone

airmount isolators for maximum effective vibration isolation.

— **HAWCO LTD**

Cathedral Hill Industrial Estate
Guildford
Surrey GU2 5YB
Tel: 0483 60606
Fax: 0483 575973
Telex: 859364 Hawco G

Hawco specialise in temperature, pressure and humidity instrumentation for sensing, measurement, control and calibration. Equipment supplied includes PID controllers, heating elements, calibration and data logging equipment, thermometers, thermostats and temperature recorders.

— **HORIBA INSTRUMENTS LTD**

Summerhouse Road
Moulton Park
Northampton NN3 6FL
Tel: 0604 671166
Fax: 0604 671080

Producer of analytical instrumentation for the measurement of pollution in both air and water. Now regarded as a market leader in Europe, Horiba has supplied a number of air pollution network systems and over 40 mobile laboratories.

— **HOTWORK DEVELOPMENT LTD**

Bretton Street
Savile Town
Dewsbury
West Yorkshire WF12 9DB
Tel: 0924 465272
Fax: 0924 452201
Telex: 557422

Combustion equipment designers manufacturers and installers. Turnkey thermal processing plant including control systems. Liquid and gaseous incineration/thermal oxidation systems. Plume suppression and heat recovery using recuperative and regenerative systems.

INDUSTRIAL ACOUSTICS COMPANY LTD

Walton House
Central Trading Estate
Staines
Middlesex TW18 4XB
Tel: 0784 456251
Fax: 0784 463303
Telex: 25518

Europe's largest manufacturer of noise control products and systems, specialising in both environmental pollution and workplace noise problems. Products include machinery and plant room enclosures, acoustic barriers, ventilation silencers, acoustic doors, louvres and sound absorptive wall and ceiling panels. IAC offers a full acoustic consultancy service, including site surveys. BS 5750 Approved.

JENWAY LTD

Gransmore Green
Felsted
Dunmow
Essex CM6 3LB
Tel: 0371 820122
Fax: 0371 821083
Telex: 817766

Manufacturers of analytical measuring instrumentation for pH, ion analysis, conductivity, dissolved oxygen, colorimetry, spectrophotometry, fluorimetry, chloride

analysis, flame photometry, turbidity, temperature and humidity.

JONES & ATTWOOD LTD

Titan Works
Stourbridge
West Midlands DY8 4LR
Tel: 0384 392181
Fax: 0384 371937

Suppliers of three proven systems to solve odour problems. Purafil - Dry scrubbing system using impregnated media, ideal for low concentrations. Certified performance for many gases. Free media analysis service and extensive application experience. Lo-cat - Wet scrubbing system specifically for hydrogen sulphide. Catalytic reaction produces sulphur. Also treats biogas and landfill gas. Very low operation cost. Econ-Abator - Catalytic oxidiser for burning VOCs and other complex odours at any concentration. Pelletised catalyst is fluidised to prevent poisoning.

LAND COMBUSTION

Dronfield
Sheffield S18 6DJ
Tel: 0246 417691
Fax: 0246 290274
Telex: 547360

Flue gas analysers and monitors for boiler stack emissions. Continuous in-situ, sampling and portable instruments for measurements of CO; O₂; NO; NO_x; SO₂; H_xC_x; NH₃ and dust. Combustion equipment: flame monitors, dewpoint meters and slag control systems.

— **LODGE STURTEVANT LTD**

George Street Parade
Birmingham B3 1QQ
Tel: 021 200 2333
Fax: 021 200 2555
Telex: 338458

Designers and suppliers of a range of atmospheric pollution control plant including electrostatic precipitators, gas scrubbing systems, fabric filters, and cyclones. Plant is also available for the removal of hydrogen sulphide from fuel gases. Areas of activity include gas cleaning for the incineration industry and the production of compost and energy.

— **MERZ AND MCLELLAN LTD**

Amber Court
William Armstrong Drive
Newcastle Business Park
Newcastle upon Tyne NE4 7YQ
Tel: 091 226 1189
Fax: 091 226 1104
Telex: 53561 AMBER G

Multi-disciplinary and independent consulting engineers, specialising in environmental, safety and quality management and audits, environmental impact assessments, air and water pollution studies, integrated pollution control measures related to thermal and renewable power generation schemes, effluent treatment plants, desalination and water supply systems and waste water disposal.

— **MONTGOMERY WATSON**

Terriers House
201 Amersham Road
High Wycombe
Bucks HP13 15AJ
Tel: 0494 474780
Fax: 0494 537543

An independent consulting engineering company specialising in all aspects of environmental management. The work includes planning, evaluation and implementation services for: contaminated land assessment, waste minimisation, environmental auditing and water and waste water treatment. Local offices in Bridgwater, Glasgow, Newcastle, Warrington and Wakefield with 2600 staff worldwide.

NEDERMAN LTD

PO Box 503
91 Walton Summit
Bamber Bridge
Preston
Lancashire PR5 8AF
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Fax: 0772 315273

Nederman who are acknowledged to be the world leader in their field, specialise in products that improve the working environment in industrial workshops and factories. Products within the portfolio include fume, dust and exhaust gas extraction at source products, self-retracting hose and cable reels, noise absorbing screens and welding curtains.

NEGRETTI AUTOMATION LTD

2/3 Aylesbury Industrial Centre
Bicester Road
Aylesbury
Bucks HP19 3AL
Tel: 0296 395931
Fax: 0296 86400
Telex: 83285 NEGZAM G

Personal and static air samplers for dusts, fume, vapours and gases. Programmable controllers. General instrumentation.

NILFISK LTD

Newmarket Road
Bury St Edmunds
Suffolk IP33 3SR
Tel: 0284 763163
Fax: 0284 750562

Domestic, commercial and industrial suction cleaning equipment and floor maintenance machinery.

PARSONS ENGINEERING

Leamore Lane
Bloxwich
West Midlands WS2 7EB
Tel: 0922 404318
Fax: 0922 495991

All forms of gas scrubbing plant including packed towers, venturi scrubbers, horizontal multi-stage spray scrubbers, carbon adsorption systems and incineration. Full turn-key, design and manufacturing facilities available in house. Also manufactures tanks and fans.

QUANTITECH LTD

Unit 3
Old Wolverton Road
Old Wolverton
Milton Keynes MK12 5NP
Tel: 0908 227722
Fax: 0908 227733

Sales and after sales service of environmental monitoring equipment for VOC emissions, COSHH workplace and EPA compliance, sound and vibration monitors. Equipment for rental from the environment division.

RENDEL PALMER & TRITTON SCOTLAND

42 Kelvingrove Street
Glasgow G3 2RZ
Tel: 041 332 4153
Fax: 041 331 1285

Rendel Palmer & Tritton offer multi-disciplinary consulting engineering services from offices throughout the UK and abroad. RPT Scotland is the centre of excellence for Energy and Environmental services. Particular areas of expertise are: incineration and waste disposal; chimneys and gas cleaning; energy conservation.

RESEARCH ENGINEERS LTD

11-31 Orsman Road
London N1 5RD
Tel: 071 739 7811
Fax: 071 739 6615
Telex: 261973 RE LTD G

Manufacturers of portable gas detection equipment utilising flame ionisation detection (FID) technology. The range includes intrinsically safe instruments and

chromatograph versions for on-site gas analysis. The equipment is suitable for VOC monitoring, leak detection and gas identification.

RIGIDON (UK) LTD AIR POLLUTION CONTROL

Arnolds Field Estate
Wickwar
Gloucestershire GL12 8ND
Tel: 0454 294006
Fax: 0454 299095

Rigidon specialises in air pollution control systems for hazardous waste incinerators, HMIP regulated chemical processes, odour problems and high efficiency particulate removal. The company provides a complete turnkey service. Its principal products include wet electrostatic precipitators, bio filters, a comprehensive range of wet scrubbers and continuous monitoring systems.

SEVERN SCIENCE LTD

4 Short Way
Thornbury Industrial Estate
Thornbury
Bristol BS12 2UL
Tel: 0454 414723
Fax: 0454 417101

The company designs, develops and manufactures gas sampling and analysis instrumentation for measuring constituents in stack gas and in ambient air. Standard units include direct reading analysers for sulphur trioxide, hydrogen chloride, hydrogen fluoride and ammonia. An extensive range of high vacuum equipment and cryogenic products is also supplied.

SICK, ERWIN OPTIC-ELECTRONIC LTD

Waldkirch House
39 Hedley Road
St Albans
Herts AL1 5BN
Tel: 0727 831121
Fax: 0727 856767

Comprehensive range of in-situ instruments for the measurement of opacity, dust, various pollutant gases and gas velocity in stacks to meet the requirements of EPA. Also available are emission computers/data loggers, and iso-kinetic stack sampling systems for particulate concentration measurement and environmental sensors for motorway and tunnel use.

STATS ENVIRONMENTAL CONSULTANTS

Porters Wood House
Porters Wood
St Albans
Herts AL3 6PQ
Tel: 0727 833261
Fax: 0727 835682

The company fields a small team of consultants and technicians across the UK and Europe. They specialise in monitoring and assessment of pollution both in the natural and built environments. Offering a mixture of measurement, assessment, consultancy and training, Stats provide a service designed to meet your individual needs.

STATS GEOTECHNICAL LTD

Porters Wood House
Porters Wood
St Albans
Herts AL3 6PQ
Tel: 0727 833261
Fax: 0727 835682

Consulting geologists, geotechnical and geoenvironmental engineers providing a comprehensive desk study, site investigation and remedial design service for contaminated land and groundwater plus on-site supervision of clean-up works.

THERMO ELECTRON LTD

910 Birchwood Boulevard
Warrington
Cheshire WA3 7QN
Tel: 0925 813600
Fax: 0925 812138

Air pollution monitoring instrumentation. Analysers for ozone, carbon dioxide, sulphur dioxide, oxides of nitrogen, carbon monoxide and hydrocarbons are available. Mobile or static, integrated air quality systems with central microprocessor control and calibration may be custom built.

UNITED AIR SPECIALISTS (UK) LTD

Heathcote Way
Heathcote Industrial Estate
Warwick CV34 6LY
Tel: 0926 311621
Fax: 0926 315986

Manufacturers of the Smog-Hog® electronic air cleaner for the collection of welding fumes, oil mist and smoke within the factory workplace. Also Smokeeter® for removing tobacco smoke in the indoor

working and leisure environment. Collection efficiency enables cleaned air to be recirculated, thus obviating heat losses.

**— VALENTIN, DR F H H,
Consultant Chemical & Environmental Engineer**

Elm Tree House
Letchworth Lane
Letchworth
Herts SG6 3ND
Tel: 0462 684940
Fax: 0462 671436

Services cover: environmental pollution, particularly odours, fumes, dust effluents; ventilation and associated safety and health matters; pollution minimisation; design and engineering of pollution abatement plant; expert witness and associated legal work in courts, tribunal and public enquiries; environmental audits (registered Principal Environmental Auditor); Environmental Protection Act authorisations; related insurance matters.

— VISCO LTD

Stafford Road
Croydon CR9 4DT
Tel: 081 686 3861
Fax: 081 681 5930

Designers and manufacturers of counter-legionella open and closed circuit cooling towers that comply with the requirements of HS(G)70, also dry cooling system. Less efficient drift eliminators replaced with microbiologically tested Visco Zerodrift eliminators. Refurbishment, uprating, cleaning and maintenance of existing cooling equipment.

WARDELL ARMSTRONG

Lancaster Building
High Street
Newcastle-under-Lyme
Staffordshire ST5 1PQ
Tel: 0782 612 626
Fax: 0782 662 882
Telex: 36607

Independent consultants for air, water and land pollution; contaminated land reclamation; environmental assessment; audit; mining and waste disposal engineering. Experienced in the provision of advice to the public and private sectors regarding a wide range of activities associated with the use and development of land and natural resources.

WHITE YOUNG

Arndale Centre
Headingley
Leeds LS5 2UJ
Tel: 0532 787111
Fax: 0532 783487

White Young is an independent multi-discipline engineering consultancy offering a comprehensive civil, structural, mechanical, electrical process, instrumentation, energy and environmental engineering service and project management. Environmental services include environmental assessment, auditing, economics and policy, acoustics and noise control, air pollution, water pollution, contaminated land, waste management, effluent treatment, incinerators, mineral working restoration, health and safety.

WIMPEY ENVIRONMENTAL LTD

Beaconsfield Road
Hayes
Middlesex UB4 0LS
Tel: 081 573 7744
Fax: 081 848 1554

Comprehensive pollution monitoring assessment and consultancy - atmospheric emissions from industrial plants, noise and vibration, asbestos, legionella, risk assessments, energy in buildings, contaminated land, environmental impact studies.

CLASSIFIED INDEX

ABSORPTION EQUIPMENT

ERG (Air Pollution Control) Ltd
Parsons Engineering
Valentin, Dr F H H

ACTIVATED CARBON EQUIPMENT

ERG (Air Pollution Control) Ltd
Jones & Attwood Ltd
Parsons Engineering

ACCIDENT/INCIDENT INVESTIGATION

David Shillito Associates

ADSORPTION EQUIPMENT

CJB Developments Ltd
Haden Drysys Environmental Ltd

AIR CONDITIONING EQUIPMENT

Aercon Engineering Group Ltd
Air Improvement Centre Ltd

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AIR MOVERS

Haskel Energy Systems Ltd

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Arup Environmental
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Environmental Technology Research
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United Air Specialists (UK) Ltd
Valentin, Dr F H H

AIR POLLUTION MEASURING

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Arup Environmental
Aspinwall & Company
BMT Fluid Mechanics Ltd
British Steel Technical
Enviro Technology Services plc
Environmental Technology Research
Erwin Sick Optic-Electronic Ltd
Negretti Automation Ltd
STATS Environmental Consultants
Thermo Electron Ltd
Wimpey Environmental Ltd

AIR POLLUTION MONITORING

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Argus Laboratories Ltd
Aspinwall & Company
BCRA Scientific & Technical Services Ltd
Belstock Controls
BMT Fluid Mechanics Ltd
Casella London Ltd
Charles Austen Pumps Ltd
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ELE International Ltd
Environmental Advisory Unit Ltd
Environmental Resources Management
Enviro Technology Services plc
Erwin Sick Optic-Electronic Ltd
Horiba Instruments Ltd
Negretti Automation Ltd
Quantitech Ltd
Rigidon (UK) Ltd Air Pollution Control

Thermo Electron Ltd
Wardell Armstrong
Wimpey Environmental Ltd

**AIR PURIFICATION PROCESS
EQUIPMENT**

CJB Developments Ltd
Valentin, Dr F H H

AIR PURIFIERS

Air Improvement Centre Ltd

AIR QUALITY MODELLING

Arup Environmental

AIR QUALITY SURVEYS

Aspinwall & Company
Environmental Resources Management
STATS Environmental Consultants
White Young

AIR VELOCITY METERS

Erwin Sick Optic-Electronic Ltd
Negretti Automation Ltd

ANAEROBIC DIGESTION

Environmental Biotechnology Ltd

ANALYSIS: AMMONIA

Horiba Instruments Ltd
Land Combustion
Severn Science Ltd

ANALYSIS APPARATUS: GASES

Enviro Technology Services plc

ANALYSIS APPARATUS: NO_x

Belstock Controls
Enviro Technology Services plc
Horiba Instruments Ltd
Land Combustion

**ANALYSIS APPARATUS:
PARTICLES/POWDERS**

Belstock Controls
Enviro Technology Services plc
Horiba Instruments Ltd

ANALYTICAL SERVICES

AEA Technology
Clayton Environmental Consultants Ltd

**ASBESTOS SAMPLING AND
ANALYSIS**

Argus Laboratories Ltd
BCRA Scientific & Technical Services Ltd
Clayton Environmental Consultants Ltd
Negretti Automation Ltd
STATS Environmental Consultants
White Young
Wimpey Environmental Ltd

**ATMOSPHERIC DISPERSION
MODELLING**

British Steel Technical

**AUTOMOTIVE EMISSION
MEASUREMENT**

Horiba Instruments Ltd

BACTERIA SAMPLING EQUIPMENT

Casella London Ltd

BAG HOUSES

Carter Industrial Products Ltd
Denver Process Equipment Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Lodge Sturtevant Ltd

BIO FILTERS

ERG (Air Pollution Control) Ltd
Rigidon (UK) Ltd Air Pollution Control
Valentin, Dr F H H

BOILER FEEDWATER EQUIPMENT

ERG (Air Pollution Control) Ltd
Parsons Engineering

BURNERS: CATALYTIC

CJB Developments Ltd
Parsons Engineering

BURNERS: GAS

Airoil-Flaregas Ltd
Hotwork Development

BURNERS: OIL

Airoil-Flaregas Ltd
Hotwork Development

BURNERS: WASTE-FIRED

Hotwork Development

CALIBRATION EQUIPMENT

Enviro Technology Services plc
Hawco Ltd

CARBON MONOXIDE ANALYSERS

Erwin Sick Optic-Electronic Ltd

**CARTRIDGE FILTERS - DUST
FILTRATION**

Carter Industrial Products Ltd

**CATALYTIC AIR POLLUTION CON-
TROL UNITS**

Ambuco Process Equipment Ltd
CJB Developments Ltd
Jones & Attwood Ltd
Parsons Engineering
Valentin, Dr F H H

CHEMICAL HANDLING PLANT

Parsons Engineering

CHIMNEYS

AEA Technology
Argus Laboratories Ltd
Parsons Engineering

CLEAN ROOMS

Bassaire Ltd

CLEAN ROOMS MONITORING

Argus Laboratories Ltd

COMBUSTION CONTROL

Airoil-Flaregas Ltd
Hotwork Development

CONSULTANTS: AIR

AEA Technology
Arup Environmental
Aspinwall & Company
Babtie Environmental
BMT Fluid Mechanics Ltd
CH2M Hill United Kingdom Ltd
CJB Developments Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Environmental Advisory Unit Ltd
Environmental Resources Management
Halcrow Fox
Merz and McLellan Ltd
Montgomery Watson
STATS Environmental Consultants
Valentin, Dr F H H
Wardell Armstrong
White Young
Wimpey Environmental Ltd

CONSULTANTS: DUST

BMT Fluid Mechanics Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
DCE Ltd
Environmental Advisory Unit Ltd
Environmental Resources Management
STATS Environmental Consultants
Valentin, Dr F H H
Wardell Armstrong
Wimpey Environmental Ltd

**CONSULTANTS: EFFLUENT
TREATMENT**

Arup Environmental
Babtie Environmental
BCRA Scientific & Technical Services Ltd
BMT Fluid Mechanics Ltd
CH2M Hill United Kingdom Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Environmental Biotechnology Ltd
Merz and McLellan Ltd
Montgomery Watson

**CONSULTANTS: ENVIRONMENTAL
POLICY**

Arup Environmental
Aspinwall & Company
Babtie Environmental
BMT Fluid Mechanics Ltd
CH2M Hill United Kingdom Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
David Shillito Associates
Environmental Resources Management
Halcrow Fox
Montgomery Watson
STATS Environmental Consultants
Valentin, Dr F H H
Wardell Armstrong
White Young

CONSULTANTS: LAND

Arup Environmental
Aspinwall & Company
CH2M Hill United Kingdom Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Environmental Resources Management
Montgomery Watson
STATS Geotechnical Ltd
Wardell Armstrong
Wimpey Environmental Ltd

CONSULTANTS: NOISE

Acoustical Investigation & Research
Organisation Ltd
Argus Laboratories Ltd
Arup Environmental
Aspinwall & Company
BMT Fluid Mechanics Ltd
British Steel Technical
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Environmental Advisory Unit Ltd
Environmental Resources Management
General Acoustics Ltd
Halcrow Fox
Industrial Acoustics Company Ltd
Merz and McLellan Ltd
STATS Environmental Consultants
Wardell Armstrong
White Young
Wimpey Environmental Ltd

CONSULTANTS: WASTE

Aquaterra Environmental Consultants Ltd
Arup Environmental
Aspinwall & Company
Babtie Environmental
BMT Fluid Mechanics Ltd
CH2M Hill United Kingdom Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd

Environmental Biotechnology Ltd
Environmental Resources Management
Merz and McLellan Ltd
Montgomery Watson
Wardell Armstrong

**CONSULTANTS: WASTE
INCINERATION**

Arup Environmental

CONSULTANTS: WATER

Aquaterra Environmental Consultants Ltd
Aspinwall & Company
BMT Fluid Mechanics Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Environmental Advisory Unit Ltd
Environmental Resources Management
Montgomery Watson
STATS Geotechnical Ltd
Wardell Armstrong
White Young
Wimpey Environmental Ltd

CONTAMINATED LAND SURVEYS

Aquaterra Environmental Consultants Ltd
Arup Environmental
Aspinwall & Company
Babtie Environmental
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Environmental Advisory Unit Ltd
Environmental Resources Management
Montgomery Watson
STATS Geotechnical Ltd
Wardell Armstrong
White Young
Wimpey Environmental Ltd

**CONTROLLERS: AUTOMATIC
SYSTEMS**

Negretti Automation Ltd

CONTROLLERS: GAS PRESSURE

Hotwork Development

CONTROLLERS: TEMPERATURE

Hawco Ltd
Hotwork Development
Negretti Automation Ltd

CONTROLLERS: VIBRATION

Haskel Energy Systems Ltd

COOLERS: AIR OR GAS

Visco Ltd

COOLERS: WATER

Visco Ltd

COOLING TOWERS

Carter Industrial Products Ltd
Visco Ltd

COSHH ASSESSMENT

Argus Laboratories Ltd
Arup Environmental
BCRA Scientific & Technical Services Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Dustcheck Ltd
Environmental Advisory Unit Ltd
Nederman Ltd
Parsons Engineering
Rendel Palmer & Tritton Scotland
STATS Environmental Consultants
Wimpey Environmental Ltd

CYCLONES

Carter Industrial Products Ltd
ERG (Air Pollution Control) Ltd
Valentin, Dr F H H
Visco Ltd

DATA LOGGING EQUIPMENT

ELE International Ltd
Enviro Technology Services plc
Erwin Sick Optic-Electronic Ltd
Hawco Ltd

DECONTAMINATION POOLS

Fast Engineering Ltd

DEHUMIDIFIERS

Air Improvement Centre Ltd

DETECTION & MONITORING

Argus Laboratories Ltd
BCRA Scientific & Technical Services Ltd
ELE International Ltd

DETECTION & MONITORING: DUST

Anacon Corporation Ltd
Consultants in Environmental Sciences Ltd
Environmental Technology Research

**DETECTION & MONITORING:
EXPLOSIVE GASES**

Consultants in Environmental Sciences Ltd
Wardell Armstrong

**DETECTION & MONITORING:
SMOKE**

Consultants in Environmental Sciences Ltd

DETECTION & MONITORING: SO₂

Consultants in Environmental Sciences Ltd
Land Combustion
Thermo Electron Ltd

**DETECTION & MONITORING:
TOXIC GASES**

Consultants in Environmental Sciences Ltd

DETECTION & MONITORING: VOCS

Consultants in Environmental Sciences Ltd
Research Engineers Ltd
Thermo Electron Ltd

DRYERS: AIR

Airoil-Flaregas Ltd

DUCTING

Aercon Engineering Group Ltd

DUST COLLECTION EQUIPMENT

Ambuco Process Equipment Ltd
Carter Industrial Products Ltd
DCE Ltd
Denver Process Equipment Ltd
Dustcheck Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Nilfisk Ltd
United Air Specialists (UK) Ltd

DUST EXTRACTION

Carter Industrial Products Ltd
Denver Process Equipment Ltd
Dustcheck Ltd
Dustraction Ltd
Lodge Sturtevant Ltd
Nederman Ltd
Nilfisk Ltd

**DUST MICROSCOPY/
PHOTOMICROSCOPY**

David Shillito Associates

DUST MONITORING EQUIPMENT

Anacon Corporation Ltd
Charles Austen Pumps Ltd
Environmental Technology Research
Enviro Technology Services plc
Erwin Sick Optic-Electronic Ltd
Lodge Sturtevant Ltd

Negretti Automation Ltd
Quantitech Ltd
Wimpey Environmental Ltd

DUST SAMPLING EQUIPMENT

Casella London Ltd
Negretti Automation Ltd

DUST SUPPRESSION EQUIPMENT

Carter Industrial Products Ltd

EFFLUENT TREATMENT: PLANT/ SYSTEM

BCRA Scientific & Technical Services Ltd
BMT Fluid Mechanics Ltd
Clayton Environmental Consultants Ltd
Environmental Biotechnology Ltd
ERG (Air Pollution Control) Ltd
Fast Engineering Ltd

EFFLUENT TREATMENT: SOLUBLE OIL PLANT

BMT Fluid Mechanics Ltd
ERG (Air Pollution Control) Ltd

ELECTROSTATIC PRECIPITATORS

Denver Process Equipment Ltd
Filtermist International plc
Lodge Sturtevant Ltd
United Air Specialists (UK) Ltd

ELECTROSTATIC UNIT AIR CLEANERS

Lodge Sturtevant Ltd

ENVIRONMENTAL ASSESSMENT

Acoustical Investigation & Research
Organisation Ltd
Aquaterra Environmental Consultants Ltd
Arup Environmental
Aspinwall & Company
BCRA Scientific & Technical Services Ltd

BMT Fluid Mechanics Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
David Shillito Associates
Environmental Advisory Unit Ltd
Halcrow Fox
Merz and McLellan Ltd
Montgomery Watson
STATS Environmental Consultants
Valentin, Dr F H H
Wardell Armstrong
White Young
Wimpey Environmental Ltd

ENVIRONMENTAL AUDIT

Arup Environmental
Aspinwall & Company
British Steel Technical
Wardell Armstrong

ENVIRONMENTAL DATA ACQUISITION

Aspinwall & Company
BMT Fluid Mechanics Ltd
ELE International Ltd
Enviro Technology Services plc
Thermo Electron Ltd
Wardell Armstrong
Wimpey Environmental Ltd

ENVIRONMENTAL DATA ANALYSIS

Arup Environmental
Aspinwall & Company
BMT Fluid Mechanics Ltd
Consultants in Environmental Sciences Ltd
Lodge Sturtevant Ltd
Wardell Armstrong

ENVIRONMENTAL MANAGEMENT

Arup Environmental
David Shillito Associates

**ENVIRONMENTAL RISK
MANAGEMENT**

Aquaterra Environmental Consultants Ltd

ENVIRONMENTAL TEST CHAMBERS

Acoustical Investigation & Research

Organisation Ltd

BMT Fluid Mechanics Ltd

Negretti Automation Ltd

EXHAUST EXTRACTION

Nederman Ltd

FABRIC FILTERS

DCE Ltd

Denver Process Equipment Ltd

Dustraction Ltd

Lodge Sturtevant Ltd

FANS AND BLOWERS

Parsons Engineering

FILTERS: AIR

Aercon Engineering Group Ltd

Bassaire Ltd

FILTERS: DUST

Carter Industrial Products Ltd

DCE Ltd

Dustcheck Ltd

Filtermist International plc

Lodge Sturtevant Ltd

FILTERS: OIL MIST

Carter Industrial Products Ltd

Filtermist International plc

FILTERS: PAPER

Filtermist International plc

FILTERS: WATER

Carter Industrial Products Ltd

Visco Ltd

FILTRATION EQUIPMENT

Aercon Engineering Group Ltd

BMT Fluid Mechanics Ltd

Filtermist International plc

FLUE DUST EXTRACTION PLANT

Carter Industrial Products Ltd

DCE Ltd

ERG (Air Pollution Control) Ltd

Lodge Sturtevant Ltd

**FLUE GAS DUST MONITORING
DEVICE**

Anacon Corporation Ltd

Environmental Technology Research

Erwin Sick Optic-Electronic Ltd

Land Combustion

**FLUE GAS DUST SAMPLING
EQUIPMENT**

Erwin Sick Optic-Electronic Ltd

Negretti Automation Ltd

FLUE GAS TREATMENT

BMT Fluid Mechanics Ltd

Parsons Engineering

FLUIDISED BED SYSTEMS

BMT Fluid Mechanics Ltd

FUME EXTRACTION

Nederman Ltd

FUME REMOVAL EQUIPMENT

Ambuco Process Equipment Ltd
ERG (Air Pollution Control) Ltd
Haskel Energy Systems Ltd
Lodge Sturtevant Ltd
Parsons Engineering
United Air Specialists (UK) Ltd

GAS CLEANING PLANT

BMT Fluid Mechanics Ltd
Carter Industrial Products Ltd
Lodge Sturtevant Ltd
Parsons Engineering
Rigidon (UK) Ltd Air Pollution Control

GAS DETECTORS

Casella London Ltd
Research Engineers Ltd

GAS SCRUBBERS AND WASHERS

BMT Fluid Mechanics Ltd
Carter Industrial Products Ltd
Lodge Sturtevant Ltd
Parsons Engineering
Valentin, Dr F H H

HEATERS: AIR

Hawco Ltd
Hotwork Development

HEATERS INFRA-RED

Hawco Ltd

HEAT TRANSFER SYSTEMS

BMT Fluid Mechanics Ltd

HEAT EXCHANGERS

Nederman Ltd

HUMIDIFIERS

Air Improvement Centre Ltd

HUMIDITY CONTROLLERS

Hawco Ltd
Negretti Automation Ltd

HUMIDITY RECORDERS

Casella London Ltd
Hawco Ltd
Jenway Ltd
Negretti Automation Ltd

INCINERATORS

Airoil-Flaregas Ltd
BMT Fluid Mechanics Ltd
CJB Developments Ltd
Haden Drysys Environmental Ltd
Hotwork Development
Parsons Engineering
Rendel Palmer & Tritton Scotland

INDICATORS: HUMIDITY

Negretti Automation Ltd

INSTRUMENTS: GAUGES, METERS, ETC

CEL Instruments Ltd
Hawco Ltd
Negretti Automation Ltd

INSULATION: ACOUSTICS

Industrial Acoustics Company Ltd

LABORATORY FUME CABINETS

Bassaire Ltd

LABORATORY INSTALLATIONS

Bassaire Ltd
Parsons Engineering

LAMINAR FLOW EQUIPMENT

Bassaire Ltd

LEAK DETECTORS

CEL Instruments Ltd
Research Engineers Ltd
Severn Science Ltd

LEGAL ADVISORS

BMT Fluid Mechanics Ltd

**MEASUREMENT AND DETECTION
EQUIPMENT**

Environmental Technology Research

METEOROLOGICAL INSTRUMENTS

Casella London Ltd
Negretti Automation Ltd

METEOROLOGICAL STATIONS

Casella London Ltd
ELE International Ltd
Negretti Automation Ltd

MOBILE LABORATORIES

Enviro Technology Services plc
Horiba Instruments Ltd
Thermo Electron Ltd
Wimpey Environmental Ltd

MONITORING EQUIPMENT

Enviro Technology Services plc
Environmental Technology Research
Horiba Instruments Ltd
Research Engineers Ltd

NOISE SUPPRESSION

Industrial Acoustics Company Ltd

NOISE/VIBRATION: ANALYSIS

Acoustical Investigation & Research
Organisation Ltd
Arup Environmental
Aspinwall & Company
CEL Instruments Ltd
Environmental Resources Management
Halcrow Fox
Wimpey Environmental Ltd

**NOISE/VIBRATION: CONTROL
SYSTEMS**

CEL Instruments Ltd
Industrial Acoustics Company Ltd

**NOISE/VIBRATION: MEASURING
EQUIPMENT**

Castle Associates Ltd
CEL Instruments Ltd
General Acoustics Ltd
Quantitech Ltd

NO_x ANALYSERS

Erwin Sick Optic-Electronic Ltd

**NOISE/VIBRATION: PROTECTIVE
DEVICES**

Haskel Energy Systems Ltd

ODOUR ABSORPTION

Carter Industrial Products Ltd
Denver Process Equipment Ltd
ERG (Air Pollution Control) Ltd
Parsons Engineering
Valentin, Dr F H H

ODOUR ASSESSMENT

Arup Environmental

ODOUR CONTROL

Ambuco Process Equipment Ltd
BCRA Scientific & Technical Services Ltd
BMT Fluid Mechanics Ltd
Consultants in Environmental Sciences Ltd
Haden Drysys Environmental Ltd
Hotwork Development
Jones & Attwood Ltd
Parsons Engineering
Rendel Palmer & Tritton Scotland
Valentin, Dr F H H

OIL MIST ELIMINATORS

Carter Industrial Products Ltd

OIL SPILLAGE: CONTROL/ RECOVERY EQUIPMENT

Fast Engineering Ltd

OPACITY MONITORS

Erwin Sick Optic-Electronic Ltd

OXYGEN ANALYSERS

Erwin Sick Optic-Electronic Ltd

PARTICLE SIZE ANALYSIS FACILITIES

Belstock Controls

pH APPARATUS

Jenway Ltd

POLLUTION CONTROL ADVISORY SERVICES

Arup Environmental
Consultants in Environmental Sciences Ltd
Environmental Resources Management
Montgomery Watson
Rendel Palmer & Tritton Scotland

POLLUTION MONITORING: EQUIPMENT HIRE

CEL Instruments Ltd
Enviro Technology Services plc
Quantitech Ltd
Thermo Electron Ltd

PROCESS INSTRUMENTATION

BMT Fluid Mechanics Ltd
Horiba Instruments Ltd
Negretti Automation Ltd

PUMPS

Charles Austen Pumps Ltd

RADIATION DETECTION AND MONITORING

Thermo Electron Ltd

RESEARCH AND DEVELOPMENT FACILITIES

Acoustical Investigation & Research
Organisation Ltd
BMT Fluid Mechanics Ltd

SCRUBBERS

Carter Industrial Products Ltd
CJB Developments Ltd
Dustraction Ltd
ERG (Air Pollution Control) Ltd
Parsons Engineering
Valentin, Dr F H H

SEPARATORS: LIQUID

Carter Industrial Products Ltd

SILENCERS

Aercon Engineering Group Ltd
Industrial Acoustics Company Ltd
Parsons Engineering

SITE INVESTIGATION

Arup Environmental
BCRA Scientific & Technical Services Ltd
British Steel Technical
Environmental Resources Management
Wardell Armstrong
White Young
Wimpey Environmental Ltd

SOLVENT RECOVERY PLANT

CJB Developments Ltd
Parsons Engineering

SPECTROMETERS

Thermo Electron Ltd

STACK EMISSIONS: MONITORING

Argus Laboratories Ltd

**STACK EMISSIONS: MONITORING
EQUIPMENT**

Anacon Corporation Ltd
BMT Fluid Mechanics Ltd
Casella London Ltd
Enviro Technology Services plc
Environmental Technology Research
Erwin Sick Optic-Electronic Ltd
Horiba Instruments Ltd
Land Combustion
Quantitech Ltd
Research Engineers Ltd
Severn Science Ltd
Thermo Electron Ltd

**STACK EMISSIONS: SAMPLING
EQUIPMENT**

Negretti Automation Ltd

SULPHUR DIOXIDE ANALYSERS

Erwin Sick Optic-Electronic Ltd

**SULPHUR DIOXIDE REMOVAL
SYSTEMS**

Parsons Engineering

SULPHUR RECOVERY PLANT

Jones & Attwood Ltd

TANKS AND TANK LININGS

Fast Engineering Ltd
Parsons Engineering

THERMOMETERS, INDICATORS, etc

Hawco Ltd
Jenway Ltd
Negretti Automation Ltd

THERMOSTATS

Hawco Ltd

TOWERS

Parsons Engineering

TRAINING COURSES

BMT Fluid Mechanics Ltd
CEL Instruments Ltd

TRAINING VIDEOS

CEL Instruments Ltd

TURBIDIMETERS

Belstock Controls
Jenway Ltd

UNIT DUST COLLECTORS

Carter Industrial Products Ltd
Nilfisk Ltd

VACUUM CLEANERS: INDUSTRIAL

Nilfisk Ltd

VACUUM PUMPS AND EQUIPMENT

Charles Austen Pumps Ltd
Severn Science Ltd

VENTILATORS

Parsons Engineering

VENTURI SCRUBBERS

Ambuco Process Equipment Ltd
Carter Industrial Products Ltd
ERG (Air Pollution Control) Ltd
Lodge Sturtevant Ltd
Parsons Engineering

VOC ABATEMENT PLANT

Ambuco Process Equipment Ltd
BMT Fluid Mechanics Ltd
CJB Developments Ltd
Haden Drysys Environmental Ltd
Jones & Attwood Ltd
Valentin, Dr F H H

WASHERS: AIR OR GAS

Lodge Sturtevant Ltd

WASTE AUDIT

Environmental Biotechnology Ltd

WASTE DISPOSAL CONTRACTORS

Argus Laboratories Ltd

WASTE DISPOSAL EQUIPMENT

BMT Fluid Mechanics Ltd
Lodge Sturtevant Ltd

WASTE FUEL BOILER PLANT

BMT Fluid Mechanics Ltd

WASTE HEAT RECOVERY

BMT Fluid Mechanics Ltd
Hotwork Development
Rendel Palmer & Tritton Scotland

WASTE MINIMISATION

Montgomery Watson

WATER TREATMENT PLANT

BMT Fluid Mechanics Ltd
ERG (Air Pollution Control) Ltd
Fast Engineering Ltd

WET ARRESTORS

Carter Industrial Products Ltd
Parsons Engineering

WET SCRUBBERS

Carter Industrial Products Ltd
Denver Process Equipment Ltd
Parsons Engineering
Rigidon (UK) Ltd Air Pollution Control
Valentin, Dr F H H



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1995

MEMBERS HANDBOOK

national society for clean air
and environmental protection



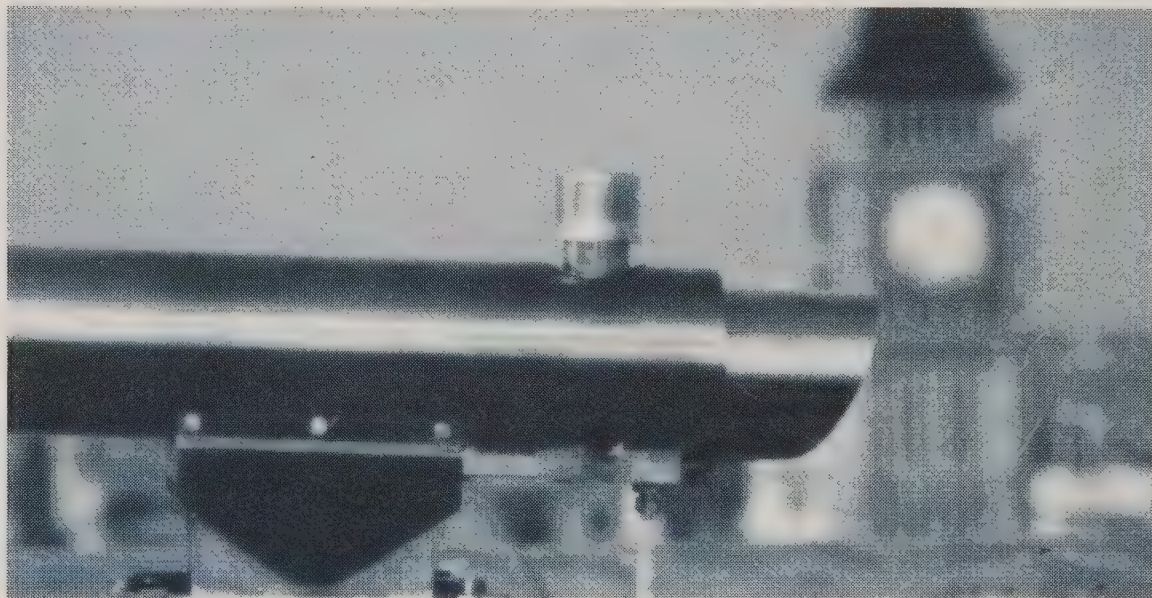
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MEMBERS HANDBOOK

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Air quality measurement – for those who most need to know.



For any organisation that needs to manage its air quality, managing starts with measuring.

OPSIS is one of the most widely used air quality monitoring systems in Europe. It is the system of choice, and for all the right reasons. It is versatile, capable of targeting multiple airborne pollutants and hydrocarbons over as many as 12 lightpaths at once. This also enables the monitoring for emissions in several streams in a process, or multiple stacks. It is reliable, operating without contact with the sample, avoiding chemical reaction or corrosive damage. It needs minimal maintenance, reducing intervention and downtime. It is cost-effective and proven in performance. TÜV, UMEG and US EPA have all approved the system.

OPSIS systems are today measuring ambient concentrations of sulphur and nitrogen oxides, benzene, toluene and other gases. In industry, OPSIS is used for continuously measuring emissions of pollutants such as hydrogen chloride, mercury vapour and ammonia, as well as the more common pollutants and combustion gases. Upgrading for extra gases can always be carried out, even when the system is installed and in operation.

Sensors linked to the OPSIS system will accept data from multiple inputs to give a full range of display, reporting and statistical functions. OPSIS software accepts meteorological data, alongside ambient air quality measurements, for meaningful reporting. For emissions monitoring, process control parameters such as flow, temperature and pressure can be incorporated.

Whether measuring the ambient environment or continuous emissions, OPSIS provides the ideal solution.

Turning measurement into management.



Enviro Technology Services plc

Environment House, Dudbridge Road, Stroud, Glos GL5 3EE
Tel 0453 751641 Fax 0453 757596

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NSCA STAFF

SECRETARY GENERAL - Dr. R. N. (Tom) Crossett

ADMINISTRATION

Administration Manager - Peter J. Mitchell

Committee Administration/Secretary - Wendy ~~Messer~~

Membership/Sales/Conference/Seminars - Katherine Lennon

EDITORIAL and INFORMATION

Editor - Loveday Murley

Communications Officer - Tim Brown

Information Officer - Mary Stevens

Administration - Sally May

Administration/Public Relations Officer, Scottish Division - Clare Carruthers

NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

NSCA is a non-governmental organisation and a registered charity. Its origins date back to the Coal Smoke Abatement Society founded in 1899. In the past decade the interests of the Society have expanded considerably and its work now covers all aspects of air and noise pollution as well as waste.

AIMS

NSCA aims to secure environmental improvement through the reduction of air pollution, noise and other contaminants, while having due regard for other aspects of the environment. NSCA advances the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention. The Society is funded by members' subscriptions, donations and monies raised by activities.

MEMBERSHIP

The members of NSCA are private individuals, local authorities, educational establishments, professional institutions and the fuel and other industries.

ORGANISATION

The elected Council is the Society's governing body and an administrative staff headed by the Secretary General is employed. The Society is divided into geographical divisions which organise meetings and activities at a regional level. There are five national committees of nominated members and co-opted specialists. Working groups are set up to consider specific issues as the need arises.

POLICY

The Society is recognised nationally and internationally for its balanced arguments, response to issues, integrity and promotion of public education. Policy discussion and formulation is initiated by NSCA Divisions and at the annual conference as well as within the governing Council. Policy details are evolved by the appropriate standing committee.

ACTIVITIES

NSCA makes representations to government, other authorities and agencies and industry on all matters relating to air pollution, noise, waste and other environmental issues. This includes the drafting of legislation and standards, technical matters and local and national issues. NSCA organises conferences and workshops, produces a wide range of information and educational publications and regular briefings on current issues.

INFORMATION AND PUBLICATIONS

The Society has an extensive library and its information department, which is part funded by the Department of Environment, provides a service to both members and to the public. Publications include a range of leaflets covering current issues and legislation, the annual Pollution Handbook and quarterly journal Clean Air; NSCA also publishes the papers presented at its annual conference, technical papers and occasional reports and surveys.

HONORARY OFFICERS

President

Professor The Lord Lewis, KT, FRS

Immediate Past President

The Baroness Platt of Writtle, CBE, DL, FEng

Vice-Presidents

Ken Collins, MEP

The Rt Hon The Earl of Cranbrook, DSc, DL

Wayne David, MEP

John Edmonds

Dr Caroline Jackson, MEP

Air Commodore John Langston, CBE

Sir John Mason, CB, DSc, FRS

The Rt Hon Lord Nathan, MA, FSA, FRSA, FRGS

Cllr Len Poole, BEM, JP

Sir Hugh Rossi

John Speirs

Gareth Wardell, MP

Honorary Treasurer

Richard Hill, MA, Dip Ed, CDipAF

Chairman of Council

Cllr Dr John R. P. Evans, ACP, MInstM, LRSC, MEd, PhD

Deputy Chairmen

George W. Barrett, MSc

Paul A. Cooney, MSc, DMA, MCIEH

Immediate Past Chairman

K. G. Kaufman, MCIEH

ELECTED REPRESENTATIVES FROM NSCA DIVISIONS

SCOTLAND - 3 representatives

Cllr. Mrs. Y. Allan - Dr. O. Harrop - Mr. K. Thomas

NORTHERN IRELAND - 1 representative

Mr. M. Fleming

NORTHERN - 5 representatives

Mr. K. Atkinson - Cllr. V. Bloxsome - Mr. J. Mann - Cllr. L. Poole (1 vacancy)

NORTH WEST - 8 representatives

Mr. A. R. Bryant - Mr. K. G. Kaufman - Cllr. K. Leyden - Cllr. D. McEgan

Mr. K. Roberts - Mr. J. B. Simpson - Mr. R. N. Turner (1 vacancy)

YORKSHIRE AND HUMBERSIDE - 5 representatives

Cllr M. Bramley - Cllr J. Carr - Mr. R. Crosby - Mr. F. Price - Mr. G. Rees

WEST MIDLANDS - 4 representatives

Mr. G. Colling - Mr. C. C. H. Fry - Cllr. W. Hancox - Mr. T. Townsend

EAST MIDLANDS - 5 representatives

Mr. A. H. Brown - Cllr. Mrs. E. J. Inglefield - Mr. N. Tranmer - Cllr. W. K. Williams
(1 vacancy)

SOUTH EAST - 12 representatives

Dr. R. Barnes - Mr. J. J. Beagle - Mr. J. Boddy - Mr. P. Cooney - Mr. S. Hickmott

Mrs. G. Naylor - Mr. A. Rees - Mr. J. Rice - Dr. M. Schwar - Prof. R. Scorer

Mr. F. Smith - Mrs. B. Solkhon

SOUTH WEST - 4 representatives

Mr. K. Horton - Dr. R. Lawson - Dr. D. Laxen - Mr. H. Nowell

SOUTH AND MID WALES - 4 representatives

Cllr. Dr. J. R. P. Evans - Mr. T. Jones - Cllr. H. Thomas - Mr. R. West

APPOINTED REPRESENTATIVES OF NATIONAL BODIES

British Coal - Mr. P. W. Sage

British Gas - Dr. F. E. Shephard

British Steel - Mr. K. F. Whitty

UK Centre for Economic and Environmental Development - Mr. D. R. Cope

Chartered Institute of Environmental Health - Mr. K. Horton

Institution of Gas Engineers - Mr. D. Carslaw

National Power - Dr. N. A. Burdett

National Rivers Authority - Dr. C. Swinnerton

PowerGen - Mr. G. W. Barrett

The Institute of Petroleum - Mr. J. Phipps

STANDING COMMITTEES

The President, Honorary Treasurer, Chairman, Deputy Chairmen and Immediate Past Chairman are all ex-officio members of all five standing committees.

The Chairmen of the Conference & Promotions Committee, the Parliamentary & Local Government Committee, the Technical Committee and the National Noise Committee are ex-officio members of the Finance & Administration Committee.

Finance & Administration Committee

Chairman: Mr. G. Barrett (ex officio)

Deputy Chairman: Mrs. B. J. Solkhon

Mr. T. Jones - Chairman, Parliamentary and Local Government Committee

Dr. K. Gregory - Chairman, Technical Committee

Mrs. B. J. Solkhon - Chairman, Conference & Promotions Committee

Mr. A. J. Rees - Chairman, National Noise Committee

Cllr. Mrs. Y. Allan - Cllr. J. Carr - Cllr. K. Leyden - Mr. H. R. Nowell

Co-opted Member of Council - Cllr. L. Poole

Conference & Promotions Committee

Chairman: Mrs. B. J. Solkhon

Deputy Chairman: Cllr. J. M. Bramley

Cllr. Mrs. Y. Allan - Cllr. V. Bloxsome - Cllr. J. M. Bramley - Cllr. W. J. Hancox

Mrs. G. E. Naylor - Cllr. L. Poole - Mr. F. J. Smith - Mrs. B. J. Solkhon

Cllr. H. I. Thomas

Co-opted - Mr. R. Kaye

Parliamentary & Local Government Committee

Chairman: Mr. T. Jones

Deputy Chairman: Mr. K. Horton

Mr. A. H. Brown - Cllr. J. Carr - Mr. R. Crosby - Mr. C. C. H. Fry - Dr. O. Harrop

Mr. S. Hickmott - Mr. K. Horton - Cllr. Mrs. E. J. Inglefield - Mr. T. Jones

Dr. R. Lawson - Mr. J. A. Mann - Mr. A. J. Rees - Dr. F. E. Shephard

Mr. J. B. Simpson - Mr. T. Townsend - Mr. R. N. Turner

Co-opted Members of Council - Cllr. L. Poole - Mr. F. Price

Co-opted - Mr. T. Hams

National Noise Committee

Chairman: Mr. A. J. Rees

Deputy Chairman: Cllr. L. Poole

Mr. K. Atkinson - Mr. J. J. Beagle - Mr. G. Colling - Mr. K. Horton

Cllr. Mrs. E. J. Inglefield - Dr. R. Lawson - Cllr. L. Poole - Mr. A. J. Rees - Mr. G. Rees

Mr. K. Thomas - Mr. N. Tranmer

Co-opted - Mr. P. T. Freeborn - Mr. A. J. Gibbon - Mr. C. Grimwood - Mr. J. Hinton

Cllr. M. Jones - Mr. S. Maslivec - Mr. D. R. Romaine - Mr. K. Scannell

Mr. G. H. Vulkan

Technical Committee

Chairman: Dr. K. Gregory

Deputy Chairman: Dr. R. A. Barnes

Dr. R. A. Barnes - Mr. J. J. Beagle - Mr. J. H. Boddy - Mr. A. R. Bryant

Dr. N. A. Burdett - Mr. D. Carslaw - Mr. G. Colling - Mr. D. R. Cope - Dr. O. Harrop

Dr. D. Laxen - Mr. J. Phipps - Mr. F. Price - Mr. J. Rice - Mr. K. Roberts - Mr. P. Sage

Prof. R. S. Scorer - Mr. N. Tranmer - Mr. R. West - Cllr. W. K. Williams

Mr. K. F. Whitty

Co-opted Members of Council - Mr. A. H. Brown - Cllr. L. Poole - Mr. R. N. Turner

Co-opted - Dr. R. S. Barratt - Mr. W. A. Bell - Dr. M. Bigg - Prof. D. Elsom

Prof. B. Fisher - Prof. M. Fox - Dr. K. Gregory - Prof. J. S. Harrison - Mr. B. Lees

Mr. M. F. Tunnicliffe - Dr. A. Wadge - Mr. R. E. Waller - Mr. M. Woodfield

WHO'S WHO 1994-5

PRESIDENT, VICE-PRESIDENTS AND HONORARY OFFICERS

LORD LEWIS OF NEWNHAM, President of the National Society for Clean Air and Environmental Protection, was Chairman of the Royal Commission on Environmental Pollution from 1986 - 1992, and is now Chairman of the House of Lords Sub-Committee on European Environment. He has a long and distinguished career in science and has published over 800 papers. As Professor of Chemistry and Warden of Robinson College, Cambridge University, he oversees research students in the school of Transition Element Chemistry. Among his many other appointments, Lord Lewis is the UK representative on the NATO Science Committee, Chairman of the Management Committee of the Melville Laboratory for Polymer Synthesis, Cambridge University and a member of the Board of Governors of Anglia University.

BARONESS PLATT OF WRITTLE, CBE, DL, MA, F Eng, Immediate Past President of the Society, was educated at Westcliff High School for Girls and Girton College, Cambridge, where she obtained a Mechanical Sciences Tripos in 1943. She then worked for Hawker Aircraft as a technical assistant for three years before joining the Research and Development Section of British European Airways. She has been President of the Cambridge University Engineers Association since 1987, was Chairman of the Equal Opportunities Commission from 1983-88, and a member of the House of Lords Select Committee on Science and Technology 1982-94. Baroness Platt has been a member of the Meteorological Office Advisory Committee since 1992, becoming Chairman in 1995. Baroness Platt was elected to Chelmsford RDC in 1959 and to Essex CC in 1965. She has been an Honorary Member of Arlington Fire Brigade (USA) since 1988. She is Chancellor of Middlesex University. Baroness Platt received the CBE in 1978 and was created a Life Peer in 1981.

KEN COLLINS, MEP, Vice-President of the Society, was educated at Hamilton Academy, the University of Glasgow and Strathclyde University. He has been Labour member of the European Parliament for Strathclyde East since 1979. He was Chairman of the European Parliament's Committee on the Environment, Public Health and Consumer Protection 1979-1984, Vice Chairman 1984-1987, and Chairman again since 1989. He was also European Parliament Socialist Spokesman on Environment, Public Health and Consumer Protection 1984-1989. Ken Collins is a Fellow of the Royal Scottish Geographical Society, Hon. Senior Research Fellow, Department of Geography, Lancaster University. He is a member of the Advisory Committee, European Public Policy Institute, University of Warwick. He is also a Director of the Institute for European Environmental Policy, London and a fellow of the Industry and Parliament Trust.

THE RT HON THE EARL OF CRANBROOK, MA, PhD, DSc(Hon), DL, Vice-President of the Society, is a graduate of the Universities of Cambridge and Birmingham. From 1956-1970, he was employed as a biologist in several posts in SE Asia. Lord Cranbrook was appointed to the Nature Conservancy Council in 1990, and Chair-

man of English Nature in 1991. He was a member of the Royal Commission on Environmental Pollution 1981-92, the Natural Environment Research Council 1982-88, and the Environment Subcommittee, House of Lords Select Committee on the European Communities. Since 1989, he has been a non-executive member of the Board of Anglian Water plc, a member of the Broads Authority since 1988 and a member of the Harwich Haven Authority since 1989. In 1991 he was elected Chairman of the Foundation for European Environmental Policy.

WAYNE DAVID, MEP, Vice-President of the Society, was elected European Member of Parliament for South Wales in June 1989, where he was the first Vice-President of the Regional Policy Committee, and Labour's spokesperson on European Regional Policy until 1994. In June 1994 he was elected for South Wales Central, and is the Leader of the European Parliamentary Labour Party.

JOHN EDMONDS, Vice-President of the Society, is General Secretary of the GMB (formerly the General, Municipal, Boilermakers and Allied Trades Union). Educated at Christ's Hospital and Oriel College Oxford (BA 1965, MA 1968). In 1966 he became Research Assistant at the General & Municipal Workers Union; subsequently Deputy Research Officer (1967), Regional Officer (1968) and National Industrial Officer (1972-1985). He was a member of the Royal Commission on Environmental Pollution (1979-1989) and was Visiting Fellow, Nuffield College, Oxford (1986-1994); Governor, London School of Economics since 1986. He is a Trustee of the Institute for Policy Research, a Director of Unity Trust Bank plc, and member of the Council of Consumers' Association.

DR CAROLINE JACKSON, MEP, Vice-President of the Society, has been a member of the European Parliament since 1984, representing Wiltshire, Newbury and Wantage (1984-1994) and the re-drawn seat of Wiltshire North and Bath (1994-). She is Conservative spokeswoman on Environment and Consumer Protection, Vice-Chair of the European Parliament's Environment and Consumer Protection Committee, and a Director of the Institute of European Environmental Policy. Dr Jackson is a former member of the National Consumer Council and of the British Committee for European Year of the Environment. Educated at St Hugh's and Nuffield College, Oxford, with a doctorate in 19th century history, she formerly worked for the European Parliament in Luxembourg and Brussels.

JOHN LANGSTON, CBE, Vice-President of the Society, served in the RAFVR and then in the Royal Air Force from 1942 until his retirement in 1979, in the rank of Air Commodore. From 1980-1991 he was Secretary General of the National Society for Clean Air and Environmental Protection. He was elected Director General of the International Union of Air Pollution Prevention and Environmental Protection Associations in 1986 - a position which he continues to hold. In December 1991 he was elected Chairman of the Investigation of Air Pollution Standing Conference. Appointed CBE in 1975, he is a Fellow of the British Institute of Management and the Royal Society of Arts.

12 Vice-presidents

SIR JOHN MASON, CB, DSc, FRS, Vice-President and a Past President of the Society, is currently Chancellor of UMIST and Senior Advisor to the Centre for Environmental Technology, Imperial College. He was Director-General of the Meteorological Office from 1965-1983. From 1983-90 he was Director of the Surface Waters Acidification Programme and has recently been Chairman of the Scientific Management Committee of the World Climate Research Programme and Chairman of the Coordinating Committee on Marine Science and Technology. He was awarded the Charles Chree medal and Prize of the Physical Society (1965), the Glazebrook Medal of the Institute (1974) and the Rumford Medal of the Royal Society (1972) for his discoveries on clouds, rain and the origin of lightning, on which he delivered the Bakerian Lecture of the Royal Society in 1971. He was awarded the Symons Memorial Gold Medal of the Royal Meteorological Society (1975). He was made a CB in 1973 and knighted in 1979. In 1991 he received the Royal Society's Royal Medal for his distinguished contributions to the science of cloud physics and other achievements in the field of meteorology.

LORD NATHAN, MA, LLD (HON), FSA, FRSA, FRGS, Honorary Doctor of Laws (Sussex), a Vice-President and Past President of the Society, was a member of the Royal Commission on Environmental Pollution (1979-1989) and of the House of Lords Select Committee on the European Communities; he was Chairman of its Environment sub-committee (1983-1987 and 1990-1993) and of the ad hoc sub committee on the European Company Statute; he was also Chairman of the Select Committee on Murder and Life Imprisonment (1988-1989). President of the UK Environmental Law Association 1987-1992 and has written and spoken extensively on environmental issues. He was Chairman of the Institute of Environmental Assessment to 1991 and is Chairman of the Sussex Downs Conservation Board. Lord Nathan is an Emeritus Vice President of the Royal Society of Arts (Chairman 1975-1977 and subsequently Chairman of its Environment Committee). He was Chairman of a working party on Energy and the Environment which reported in 1974. He is a solicitor who practised in the City since 1950, being senior partner of Herbert, Oppenheimer Nathan and Vandyk until 1986 and was Consultant to Denton Hall Burgin and Warrens to 1992. He is an Honorary Associate Member of the Association of the Bar of the City of New York and a Director of the American Judicature Society.

CLLR LEN POOLE, BEM, JP, Vice President and a Past President of the Society, represents the Northern Division of NSCA; he is Deputy Chairman of the National Noise Committee, an Honorary Member and a Past Chairman of the Society's Council. Cllr Poole has been Chairman of the Northern Division and a member of the Council since re-organisation of local government. He is a Member of South Tees Health Authority, Justice of the Peace since 1965 and Deputy Chairman of Domestic and Adult Court. Cllr Poole was responsible for persuading Middlesbrough BC to complete its Domestic Smoke Control programme by the target date of 1979. He is an Executive Member and Past President of the Federation of Burial and Cremation Authorities, Chairman of the Tidy North Consultative Committee and member of the Finance and S&P Committee, as well as President of Middlesbrough Mentally Handicapped Society and Director of the Tidy Britain Group.

SIR HUGH ROSSI, Vice-President of the Society, and a consultant in environmental law to Messrs Simmons and Simmons. He was MP for Hornsey 1966-1992 and Chairman of the House of Commons Select Committee 1983-1992. Sir Hugh is Chairman of UNA (UK) and of the Historic Chapels Trust and Vice-President of the Advisory Committee on Protection of the Seas. He is an Honorary Fellow, Kings College London and an Executive Committee Member of UNED-UK. He is also an Hon Fellow of IWEM and IWM.

JOHN SPEIRS, Vice-President of the Society, has been Managing Director of Norsk Hydro UK Ltd since 1981. He was responsible for Norsk Hydro's innovative 1990 UK Environmental Report, which won awards from the Campaign for Freedom of Information and from the Chartered Association of Certified Accountants. He is a member of the Target Team of Business in the Environment, and Chairman of the Agriculture and Industry Working Group of the Government's Advisory Committee on Business and the Environment. He is a Vice President of the Aluminium Federation and Chairman of the Public Affairs Committee of the Chemical Industries Association. He is also Chairman of his local Family Health Services Authority.

GARETH L. WARDELL, MP, Vice-President of the Society, is a graduate of the London School of Economics and Political Science. From 1972-73 he was a Lecturer in Education at Bedford College of Physical Education and from 1973-82 Senior Lecturer in Geography at Trinity College, Carmarthen. He is a Fellow of the Royal Geographical Society and has been MP for Gower since 1982. Mr. Wardell has been Chairman of the Select Committee on Welsh Affairs since 1984. He has been appointed (August 1994) as a member of the General Medical Council.

CLLR DR JOHN R. P. EVANS, ACP, MInstM, LRSC, MEd, PhD, is Chairman of Council of the Society and Vice Chairman of the South and Mid Wales Division, NSCA. A Chemistry graduate, he has worked as an industrial chemist with ICI Fibres and the British Steel Corporation. Dr Evans later taught for many years and was Head of Ebbw Vale Adult Education Centre. He is currently an independent management consultant specialising in Quality Assurance and Marketing. Dr Evans was elected a Member of Rhymney Valley DC in 1976 and was appointed to the European Commission Committee of the Regions in November 1993.

GEORGE W. BARRETT, First Deputy Chairman of the Council of the Society, represents PowerGen plc. Having graduated from the University of Manchester in 1968 with an Honours degree in Physics, he was subsequently awarded an MSc in Applied Acoustics from the University of London. For three years he worked in the Acoustics Laboratory of the British Aircraft Corporation at Weybridge where he dealt with all aspects of aircraft noise. In 1972 he joined the Planning Department of the CEGB where he was a Group Head in the Environment Section, dealing with all aspects of environmental policy and planning for power generation. He is now with PowerGen where he is Environmental Adviser.

14 Honorary officers

PAUL A. COONEY, MSc, DMA, MCIEH is Chairman of the South East Division, NSCA and currently Deputy Chairman of the Council of the Society. He is a Principal Environmental Health Officer with the London Borough of Greenwich where he is head of a specialist unit responsible for all aspects of pollution control. Greenwich, as a riparian authority, has a history of industrial usage and has had to deal with much of the associated contamination. Throughout his career he has taken a lead in the investigation of air pollution and contaminated land. His studies have involved assessing the biological effects of heavy metals. As a result he has written and lectured widely on health risks associated with air pollution and contamination. He takes an active interest in all aspects of environmental pollution and has been involved in joint projects with our European partners on exchange of knowledge and experience in a wide range of subjects.

K.G. (GEOF) KAUFMAN, is Immediate Past Chairman of the Council of the Society and represents the North West Division, NSCA. He is the Borough Environmental Health Officer at Tameside MBC, and has held several appointments with local authorities in the Greater Manchester area. As a member of the Manchester Area Pollution Advisory Council he is a past secretary of the Noise Working Group. He served as a member of the Government Noise Review Working Party (1990) representing NSCA, is a member of the Society's National Noise Committee and co-author of several Society publications. He presented a paper to the 9th World Clean Air Congress (Canada, 1992) and 3rd World Congress on Environmental Health (Malaysia, 1994). He has spent time in Sudan, Africa, assisting in the provision of water supplies to medical centres on behalf of the Association of Greater Manchester Councils and Save the Children Fund.

RICHARD HILL, MA, Dip. Ed. CDipAF, Honorary Treasurer of the Society, is a biochemistry graduate, and was Deputy Head in comprehensive schools for many years. He now lectures in biology in Eastbourne and also works as an advocate for Age Concern.

THE COUNCIL OF THE SOCIETY

CLLR YVONNE ALLAN, represents the Scottish Division, NSCA, and has been a Labour councillor since 1986 serving on many committees. She is at present the Convener of the Councils Cleansing and Environmental Development Committee and Chairperson of the Equal Opportunities Sub-Committee. She works part-time as a Youth Project Worker.

KEITH ATKINSON, Honorary Secretary of the Northern Division, NSCA since 1989, is Assistant Environmental Health Officer, Darlington BC. He entered local government in 1963 as a Pupil Health Officer, and worked for several local authorities after qualifying. His main interest in environmental issues are noise and air pollution. He was involved with the Darlington Quiet Town Experiment (1976-78).

DR RON BARNES, represents the South East Division, NSCA, and is Chairman of the Society's Climate Change and Acid Rain Working Groups. He graduated from University College London in 1969 and was awarded his PhD in 1975 for research into the long range transport of atmospheric smoke and sulphur dioxide. After a period of mixed air pollution consultancy and university teaching during and after his PhD, he was appointed to the DOE's Central Unit on Environmental Pollution. He later joined ESSO Petroleum where he is responsible for all air pollution research activities and for providing strategic environmental planning information relevant to company operations and products. More recently Dr Barnes has been responsible for developing an environmental awareness training programme for all ESSO staff. In 1979 he was seconded from ESSO to the United Nations to prepare a consultant's report on all aspects of the long range transport of air pollution. This report was used as the technical basis for the UN ECE Convention on Transboundary Air Pollution.

JOSEPH J. BEAGLE, BA(Hons), MCIEH, represents the South East Division, NSCA, having become Honorary Secretary on his retirement from local government in 1983. He was a Divisional EHO with the London Borough of Hammersmith & Fulham where he was responsible for noise and air pollution control matters, including investigations into lead pollution and asbestos control. Mr Beagle is a member of the Technical and National Noise Committees and the Civil Nuclear Power Working Group, and now works as an Environmental Health Consultant. He also represents the Society on the Transport Committee of the Environment Council.

CLLR V. BLOXSOME, represents the Northern Division, NSCA. Since 1983 he has been Labour member representing Lascelles Ward, on Darlington BC and currently serves on: Works and Health Committee (Vice-Chair); Housing Committee; Land and Property Sub-Committee; Joint Safety Committee; and Home and Leisure Safety Forum (Chair). He represents Darlington BC on the Durham Valuation Tribunal; Durham Districts Pollution Liaison Committee; Northern Regional Home Safety Council and Darlington Community Health Council. He also serves as a school governor with three local schools.

JOHN BODDY, represents the South East Division, NSCA. Before retirement he was a consultant on energy and the environment. He is a former Chairman of the NSCA Technical Committee on which he has served for many years, and has been a member of the South East Divisional Council for the past six years. Before becoming a consultant he was employed by Mobil Europe Inc, Mobil Oil Co. Ltd and BP, mainly on product research and environmental matters. During latter years of service with Mobil Oil he was also engaged in joint activities of the Motor and Petroleum Industries in Europe - on motor vehicle and engine emission control. He served on the Council of the Institute of Petroleum from 1979 to 1981.

CLLR J. MAKIN BRAMLEY, represents the Yorkshire & Humberside Division, NSCA. He has been a member of Selby District Council for 38 years and has chaired the Personnel Committee for 20 years. He is a member of the Policy and Finance, the Strategies Guidance and Environment Health Committees. He is the Vice Chairman of

the Hull and Goole Port Health Authority. Cllr Bramley is a member of the Provincial Council and YOPAC. Cllr Bramley is a farmer.

A. BROWN, an individual member, he has been a co-opted member of the council of the East Midlands Division for some 15 years and is currently Chairman of the Division. He has been co-opted member of the Technical Committee for five years. After working in various industries for 17 years (including some years in a registered Alkali Work) he joined the Alkali Inspectorate in 1959 and continued working in air pollution control with the Inspectorate under its various titles until retiring as a Superintending Inspector of H M Inspectorate of Pollution in 1990. Since retiring he has acted as a self employed consultant in the field of air pollution control and regulation.

A.R. BRYANT, represents the North West Division, NSCA and is a member of the Technical Committee. He qualified as an environmental health officer in 1971 and joined Macclesfield BC in 1974. In 1980 he was promoted to manage the Environmental Control Section and in 1982 he obtained the Institute of Acoustics Diploma in Noise and Vibration Control.

DR NIGEL BURDETT, represents National Power. He joined the Central Electricity Generation Board Research Division in 1977, working on emission control in current and future designs of fossil-fired boilers. This included NO_x and SO_x control from fluidised bed conductors, NO_x control from large coal-fired burners, acid smut emissions and the operation of electrostatic precipitators. He was seconded to the Science and Technology Secretariat, Cabinet Office Whitehall 1986-1988, working for the Advisory Council on Science and Technology (ACOST). He rejoined CEGB (National Power) in 1988 as Environmental Policy Development Manager, and is currently Manager of the Corporate Environment Unit, responsible for the development of company environmental policy, and performance reporting.

CLLR JACK CARR represents the Yorkshire & Humberside Division, NSCA. A member of Rotherham MBC, he began in local government as Health Committee Chairman of Rawmarsh UDC and served as a member of the Sheffield and District Clean Air Committee 1967-73. In 1973 he became a member of the Yorkshire & Humberside Division of the Society and in the same year became a member of Rotherham's Environmental Health Committee. He has also held senior posts on Rotherham's Education Committee. In 1988 he became Chairman of the Environmental Health Committee and Chairman of South Yorkshire Joint Waste Committee and Hazardous Waste Unit. He also serves on the AMA.

GRAHAM COLLING, represents the West Midlands Division, NSCA, and is currently the Senior Environmental Health Officer at South Staffordshire DC, specialising in environmental pollution. He qualified in 1981 and has been employed by a number of authorities in the West Midlands region before concentrating on pollution in 1986. He is presently the Secretary of the Midland Joint Advisory Council for Environmental Protection.

DAVID R. COPE represents the UK Centre for Economic and Environmental Development (UK CEED), an independent policy research unit, supported by UK charitable foundations, industrial and commercial interests and central government, which promotes the economic analysis of environmental problems in the UK. He is also external examiner at the Centre for Urban Planning and Environmental Management, University of Hong Kong and a visiting lecturer at Cambridge University. From 1987-89 he was a member of the CEGB's independent Environmental Development Advisory Panel. He is a member of the Packaging Standards Council and the Advisory Group to Business in the Environment. He has served on the Watt Committee on Energy's Nuclear Safety and Acidification Working Groups and the Fellowship of Engineering's Acid Emission Abatement Task Force. A Professional Associate of the Institute of Energy, he has written and lectured widely on all aspects of the economics of energy use and the environment.

R. CROSBY represents the Yorkshire and Humberside Division, NSCA. He is Assistant Director of Environmental Health and Consumer Affairs at Rotherham MBC responsible for the scientific services division. He is Assistant Secretary to Yorkshire and Humberside Pollution Advisory Council, Senior Executive to the National Pollution and Hayfever Bureau, National Executive Member of the Aerobiology Federation. These latter two organisations are responsible, among other things, for the collection, collation and distribution of the pollen count.

MERVYN FLEMING is Honorary Secretary of the Northern Ireland Division, NSCA. He was educated at Royal Belfast Academical Institution, and qualified as an environmental health officer in 1973. He holds the diploma in Air Pollution Control of the Royal Society of Health and the diploma in Acoustics and Noise Control of the Institute of Acoustics. He graduated in 1993 with an MSc in Environmental Health from the University of Ulster. He holds the post of Principal Officer (pollution control) with the Eastern Group Public Health Committee.

C.C.H. FRY, BA, MCIEH, DMS, FRSH, ARSC, represents the West Midlands Division, NSCA and is a member of the Parliamentary and Local Government Committee. He was appointed Chief Environmental Health Officer (now Environmental Health Manager) to Nuneaton and Bedworth BC in 1987, having held posts with Coventry CC and Warwick DC. He is a member of the Chief Officers Environment and Health Advisory Group of the ADC and represents the ADC on the HSE Advisory Committee on toxic substances. He has a particular interest in air pollution and is a visiting lecturer at the University of De Montfort for air quality on the MSc (Environmental Quality Management).

CLLR W. HANCOX, is Chairman of the West Midlands Division, NSCA. He has been a councillor since 1990 and currently serves on the Environmental Health committee and is Vice-Chairman of the Planning and Development Committee of Nuneaton and Bedworth Borough Council. He is Vice-Chairman of North East Warwickshire Community Health Council, Governor of two local schools, Chairman of a local charity and Vice-Chairman of the Road Safety Advisory Committee. He works as a glazier.

DR OWEN HARROP represents the Scottish Division. Since 1991 he has been a Senior Environmental Scientist with Aspinwall & Company specialising in environmental assessment and air pollution issues. Dr. Harrop has also worked for the Scientific Services Branch of the former Greater London Council, as a Senior Lecturer in Environmental Health and Science at Tottenham College of Technology and for the Centre for Environmental Management and Planning at the University of Aberdeen.

SIMON HICKMOTT, represents the South East Division, NSCA. He trained as an environmental scientist, and later as a town planner. He currently works for East Sussex County Council. He is an active supporter of local environmental action, and aims to ensure wider environmental concerns are integrated into town and country planning.

KEITH S. HORTON, BSc, DMS, MCIEH, MIOA represents the South West Division of the Society, and is currently Deputy Chief Environmental Health Officer at Woodspring DC. He has specialised in pollution for some 14 years and has particular interest in noise, vibration and computer applications in environmental health. He was formerly Secretary of the South West Division and is a past Chairman of the Avon, Gloucestershire and Somerset Environmental Monitoring Committee. He a tutor with the Open University and undertakes a wide variety of part time lecturing.

CLLR MRS E. JANE INGLEFIELD, BA, RGN, a Past Chairman of the Council of the Society, represents the East Midlands Division, NSCA, and has been a member of the Divisional Council for the past 20 years. She is a member of the management Committee of the Derbyshire Historic Buildings Trust Ltd. Mrs Inglefield is currently working for Marie Curie Memorial Cancer Care as the Regional Nurse Manager of Community Nursing Services for the Mersey & North West Region. She is a member of North Derbyshire Community Health Council. She is at present Mayor of the Borough of High Peak.

TERRY JONES, DMA, MCIEH, MInstWM, represents the South & Mid Wales Division, NSCA, and is Chairman of the Parliamentary and Local Government Committee. He is employed by Torfaen BC as Assistant Director of Environmental Health Services and is currently responsible for the waste regulatory functions of the Authority. He is a Past Chairman of the Gwent Branch of the Institution of Environmental Health Officers and currently the appointed Hon. Secretary of the South and Mid Wales Division, NSCA.

DR RICHARD LAWSON, MBBS, MRCPsych, represents the South West Division. He graduated from Westminster Medical School in 1969 and is a practising General Practitioner. He has been involved in environmental campaigning for 20 years, including the successful campaign against dumping nuclear waste at sea. In 1986 he was elected to Woodspring DC as one of the first Green Party Councillors. He was speaker for the Green Party 1991-2, and is currently Health Speaker for the Green Party. In 1994-5 he has a 12 month extended leave to study the impact of Government policies on the health of the nation.

DR DUNCAN LAXEN represents the South West Division, NSCA. He is a member of Technical Committee and Council, and co-ordinator of the NSCA's Local Air Quality Management initiative. He has a PhD in air pollution chemistry and over 20 years experience as an environmental scientist. He has carried out major investigations of air pollutants and written over 50 papers. He has been responsible for Department of Environment Contracts to manage the operations of the UK Rural Air Quality Monitoring Network and to set up and operate the UK Enhanced Urban Air Quality Monitoring Network. He is a member of the Photochemical Oxidants Review Group and the Quality of Urban Air Review Group. He is Managing Director of Air Quality Consultants Ltd.

CLLR J.K. LEYDEN, JP represents the North West Division, NSCA and is a member of the Society's Finance and Administration Committee. A member of Oldham MBC, he was first elected as Councillor in 1971, and was a member of the Greater Manchester Council 1974-1978. He has been a member of Oldham Magistrates Bench since 1972, was Mayor of Oldham MBC in 1984/5 and is a Past President of the National Association of British Market Authorities. A member of Environmental Health and Control and other committees, he is Chairman of the Markets Sub-Committee and Vice-Chairman of the Home Safety and Fair Trading Advisory Sub-Committee. He is a Quality Consultant, proprietor of LM Quality Systems, Oldham.

JOHN A. MANN represents the Northern Division, NSCA. He entered local government in Hull in 1965, and worked as an environmental health officer in Yorkshire, Suffolk and the Midlands before joining Middlesbrough BC in 1984, where he became involved with the Society. A Chief Officer since 1988, he has been involved with community liaison initiatives and leads for his council on environmental activities. He is a board member of Middlesbrough Environment City, an accolade awarded in 1992 by the Royal Society for Nature Conservation. More recently he has been appointed a Director of Middlesbrough Closed Circuit Television Company.

CLLR D. McEGAN represents the North West Division, NSCA. He has been a Councillor on Knowsley Borough Council for 8 years and is now Chairman of the Health Development Public Protection Committee which covers environment and trading standards.

MRS E.M.L. (PAT) NAYLOR, MIHEc, MRSH, ARCA, is a Past Chairman of the South East Division and an Honorary Member of the NSCA. She was associated with the Women's Solid Fuel Council for 30 years until its demise in September 1989. Mrs Naylor is a Lecturer in Home Economics in England and America. She is a member of the BBC Local Radio Council; of the British Standards Institution; of the Kitchen Planning SFC Committee and of the United Kingdom Home Economics Federation. Mrs Naylor is also a Past President of the United Kingdom Federation of Business and Professional Women. She is a member of the Society's Conference and Promotions Committee.

HOWARD NOWELL is a former Honorary Secretary of the South West Division, NSCA. He has spent the greater part of his professional career with Bath CC where he is now Environmental Health Manager.

JOHN PHIPPS represents the Institute of Petroleum. He is manager of the Test Method Standardization, Environment and Microbiology sections and represents the IP on many BSI committees dealing with petroleum test methods and environmental matters. He previously worked for a major oil cargo inspection company and was responsible for the company's laboratories and technical standards. He is a fellow of the Geological Society and Institute of Petroleum.

FRANK PRICE represents the Yorkshire and Humberside Division. He is currently manager of the Environmental Protection Unit of Sheffield City Council responsible for enforcement of pollution control legislation and the planning and implementation of the City's air pollution monitoring and modelling work. He formerly directed an environmental analytical and consultancy laboratory with twelve years commercial experience in contaminated land, air pollution monitoring and modelling and environmental impact project work.

ALAN J. REES, BA, DMS, MIMgt, MCIEH, MIOA is a Past Chairman of the Council of the Society, and represents the South East Division, NSCA. He qualified as a Public Health Inspector with Oxford CC, and has since been employed by three other local authorities, before his present appointment as Principal Environmental Health Officer for South Oxfordshire DC. From 1978 to 1983 he was Honorary Secretary of London & South East and Central Southern Divisions, and is a past Chairman of the Joint Divisions.

G. REES represents the Yorkshire and Humberside Division, NSCA. He qualified in 1980 and has a Diploma in Environmental Health from the University of Wales, Institute of Science and Technology. Having trained with Merthyr Tydfil BC, he was District Environmental Health Officer with South Oxfordshire DC (1980-1985) and in 1985 moved to Kirklees. In 1987 he was promoted to Assistant Chief EHO in charge of the pollution team, and in 1993 to District Manager (East) with functional responsibility for Environmental Protection. He represents Kirklees on the Yorkshire and Humberside Air Pollution Council on the Divisional Committee, Air Sub-Committee and he currently chairs the Air Quality Monitoring Group of YAHFAC.

JOHN N. RICE, represents the South East Institute of Public Health. He qualified as an environmental health officer in 1977. After posts in Coventry and Farnborough, he returned to Sheffield in 1987 as Assistant Director of Health and Consumer Services, and Chief Environmental Health Officer. In this Office he was a member of the Yorkshire and Humberside Divisional Council. In January 1992 he left Sheffield to become the first Director of Environmental Health in the newly formed South East Institute of Public Health, based in Tunbridge Wells, Kent. SEIPH coordinates the London Air Quality Network. It also has a number of interests in researching the effects of air pollution on health.

KENNETH ROBERTS, represents the North West Division, NSCA, and has been a member representing CMB Engineering 12 years, as a member of the Divisional Council and now an individual member. He retired after 28 years as a mechanical engineer with CMB engineering. The last 14 years have been spent working on air pollution control projects connected with the control of emissions of VOCs from process plants. He is now a Director of his own company Air Pollution Engineering Services (APES Ltd).

PETER W. SAGE represents British Coal Corporation and is a member of NSCA Technical Committee. He graduated from the University of Birmingham in 1971 with an Honours degree in Chemistry. For three years he worked as a research chemist at the Midlands Research Station of British Gas with special interest in nitrogen oxides emissions and control. In 1974 he joined the Coal Research Establishment at Cheltenham where he has held several posts. Since 1980 he has been involved in environmental issues related to coal use and in 1992 he was appointed manager of the Environment Branch at the Coal Research Establishment. In September 1994 he was appointed Advanced Power Generation Manager for Coal Technology Development Division of British Coal Corporation.

DR MICHAEL J. R. SCHWAR, represents the South East Division, NSCA. He has had over twenty years experience in the management of scientific advisory and consultancy activities. He has overall responsibility within TBV Science for all scientific operations, and safety matters. He has headed project teams involving a range of scientific disciplines and has sat on numerous Government, local government and professional committees concerned with the development of policies of a scientific nature. In recent years he has developed specialist skills in quality management and environmental quality management systems. Dr Schwar has worked abroad in the Near East and Middle East on a series of environmental protection studies. He is a physicist by training and specialist skills include environmental assessment, asbestos, risk management and air quality assessment.

PROFESSOR RICHARD S. SCORER, MA, PhD, represents the South East Division, NSCA, and serves on the Society's Technical Committee. He is an Honorary Member and was Chairman of the Council of the Society 1978-79. He is the author of numerous books on air pollution, meteorology and related subjects. He was in the Meteorological Office & RAF 1941-5 and was President of the Royal Meteorological Society 1986-88. He was appointed as Lecturer (Meteorology) at Imperial College, 1949; as Reader (Applied Mathematics) in 1957, and became Professor (Theoretical Mechanics) in 1962. He is an Honorary Member of the Royal Meteorological Society (Hon. Sec. 1956-60), Fellow of the Royal Society of Health and Fellow of the Royal Aeronautical Society. He was Founder Editor of the International Journal of Air Pollution (now Atmospheric Environment). As a member of the Clean Air Council from 1968 until its demise, he chaired its Technical Committee. He was an Alderman of London Borough of Merton (1971-78) and on the Metropolitan Water Board 1971-74. Professor Scorer was awarded the title Emeritus Professor in 1982 and is now a Senior

Research Fellow in Mathematics and Environmental Technology at Imperial College. In 1991 he was made an honorary member of the Czechoslovak Meteorological Society.

FRANK E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng, FIGasE, represents British Gas plc and is a Past Chairman of the Council of the Society. He graduated from the Queen's University of Belfast in 1960 and completed a period of research into catalytic reactions of hydrocarbons before joining the Gas Council Basic Research Groups in 1963. He studied fundamental properties of catalysts until 1970, when he joined the Analytical Research Group of the Gas Council's London Research Station. After a period as Assistant Manager responsible for the Environmental Studies Group within the Analytical Division he was appointed Manager of that Division. He is now Programme Manager, Environment R&T within British Gas. He is Chairman of The Institution of Gas Engineers Environment Committee and he also chairs the International Gas Union Task Force on Gas and the Environment.

JACK B. SIMPSON has been a member of North West Divisional Council, NSCA, since 1980. He was a founder member of the Manchester Area Pollution Advisory Council in 1974 and has been Chairman of its Technical Committee since 1986. He qualified in 1961 whilst employed by Lancaster CC, and joined Failsworth UDC in 1963, becoming Chief Public Health Inspector in 1972. He is currently employed as Divisional EHO (Pollution Control/Occupational Health) by Oldham MBC.

CLLR F. JOHN SMITH, BSc represents the South East Division, NSCA, of which he is currently Deputy Chairman. Now retired, he was formerly Publicity Manager for Johnson Matthey Catalytic Systems Division, Autocatalyst Europe. He is Chairman of the Environment Committee of North Hertfordshire District Council and a Director of the Hertfordshire Building Preservation Trust. He has been a District Councillor for 34 years and served on the North Hertfordshire Health Authority, 1981-90. He is a graduate of Hull University.

MRS B.J. (LIS) SOLKHON represents the South East Division, NSCA, and is Chairman of the Society's Conference and Promotions Committee. On being elected to Brighton BC in 1979 she chose Environmental Health as her main Council Committee. She became Chairman in 1982 and has attended NSCA Conferences as a Council Delegate each year until her retirement from Brighton BC in 1993. She became a member of the South East Division in 1988 and sits as an individual member. She is a writer and broadcaster and lectures on media skills, training personnel for local authorities and commercial companies. She is a member of Sussex University Council where she is Chairman of the Careers Advisory Board. She is a member of the Institute of Journalists and of the Institute of Public Relations.

CLLR H. I. THOMAS is an Honorary Member of the NSCA. He represents the South and Mid Wales Division on the Council of the Society and is a member of the Conference and Promotions Committee. He is also a member of the South and Mid Wales Divisional Council, and a past chairman of the Division. He was elected Councillor in

May 1967, and is a past Mayor of Lliw Valley BC. Cllr Thomas is Chairman of the Council's Amenities Committee, which is responsible for leisure. He represents his Council on the West Glamorgan Joint Environmental Committee, is a member of the West Wales Advisory Committee of the Sports Council of Wales, and a member of the West Glamorgan Health Authority, and the Swansea and Lliw Valley Community Health Council. He is also a director of Tourism for South Wales, a member of the South West Wales Management Group and the West Glamorgan Health Authority Joint Consultative Committee.

KEVIN E. THOMAS represents the Scottish Division, NSCA, having joined in 1990. He commenced a local government career in 1967 as a sanitary inspector with Ayr CC. In 1976 he gained a BSc from Strathclyde University and joined Cunninghame DC. As Assistant Director of Environmental Health he has worked on many pollution projects. In 1980 he instigated Cunninghame's smoke control programme. He is a member of the Institute of Acoustics and contributed a chapter on noise control to the Environmental Health Reference Book, Butterworths (1988).

TREVOR TOWNSEND, MCIEH, FRSH, represents the West Midlands Division, NSCA. He is currently Head of Environmental Health Services with Cannock Chase DC. He qualified as an environmental health officer in 1964 and has since held senior appointments with several local authorities, mainly specialising in environmental pollution. He is the past Technical Secretary of the Midlands Joint Advisory Council for Clean Air and Noise Control and lecturer and examiner for both the Environmental Health Officers Examination Board and the Royal Society of Health.

NIGEL R. TRANMER, represents the East Midlands Division, NSCA and works for North East Derbyshire DC as an EHO specialising in air pollution and noise. He is a member of Derbyshire Pollution Advisory Council (from 1979) and the secretary of its environmental protection sub-committee (from 1993). He has written and given papers on pollution matters, jointly organised annual NSCA East Midland Division seminars at Derby University (1993-4) and also serves as a parish councillor in the Rotherham area where he lives.

R.N. (NEIL) TURNER, DMS, MCIEH, T Eng(CEI) is Honorary Secretary of the North West Division, NSCA, and heads the Pollution/Health & Safety Unit at Knowsley MBC. Specialising in pollution control management and consultancy for the past 18 years he has continued to be a regular producer of evidence for Royal Commission reports, has been a consultee and working party member on several BATNEEC guidance documents and has had papers published nationally and internationally on pollution based topics, risk management and training. He is an examiner for the Royal Society of Health, lecturer at University College, Salford and a member of the Merseyside Pollution Group and Manchester Area Pollution Advisory Council. He represents his division on the Parliamentary and Local Government Committee and the Society on the Department of Environment's IPLA committee.

ROBERT F. WEST, MCIEH, MIOA, MInstWM, represents the NSCA South and Mid Wales Division, NSCA. He qualified in 1968 with a diploma in Public Health from the University of Wales, Institute of Science and Technology. He is currently employed as a Principal Environmental Health Officer responsible for Pollution Control with Cardiff CC. He is a member of the Society's Technical Committee and is also involved with other regional committees and working groups dealing with waste management, radiation and pollution related topics.

KEVIN F. WHITTY represents British Steel plc. He is currently Environmental Manager of British Steel's Teeside Works and is a member of the company's national environmental control and noise control committees. He trained as an engineer and is a Fellow of the Institution of Chemical Engineers. Apart from a number of years in the gas industry his career has been associated with energy and environment issues in the iron and steel industry. At Teeside Works he has responsibilities for air pollution control, waste management, effluent control, occupational hygiene and noise control.

CLLR W. K. WILLIAMS, MBE, represents the East Midlands Division, NSCA. He is Vice-Chairman of the Environment and Health Committee and a member of the Housing and Leisure Committees on Gedling Borough Council. He worked as an engineer, spending 20 years with British Gas in workshop management, including domestic and industrial gas measurement testing. He is a former member of Nottingham County Council and served on the Public Protection Committee. He is also a school governor.

Additional Entry

DAVID CARSLAW represents the Institution of Gas Engineers. He works for British Gas as a member of its Technical Environmental Consultancy, a small specialised team which monitors and interprets developing environmental issues for British Gas.

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32 NSCA divisions

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Nottinghamshire NG19 7BH
Telephone: 01623 656656 Ext: 3139 (*Office*)
Fax: 01623 420197 (*Office*)

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Leicester City Council
Lincoln City Council
Mansfield District Council
Newark & Sherwood District Council
North East Derbyshire District Council
North Kesteven District Council
North West Leicestershire District Council

Nottingham City Council
 Peterborough City Council
 South Cambridgeshire District Council
 South Derbyshire District Council
 South Holland District Council
 South Kesteven District Council
 Wellingborough Borough Council

CORPORATE MEMBERS

BCRA Scientific & Technical Services Ltd
 British Coal (SM)
 British Gas plc (SM)
 British Steel plc
 De Montfort University-Flexible Learning Systems
 De Montfort University-School of Chemistry
 HM Inspectorate of Pollution (SM)
 Leicester University-Dept of Engineering
 National Power plc (SM)
 National Rivers Authority (SM)
 Nottingham University-Transport Research Group
 Rolls Royce plc
 Tace plc
 UK Centre for Economic & Environmental Development

INDIVIDUAL MEMBERS

Barratt, Dr R.S.
 Baverstock, Dr S.J.
 Bradley, C.J.
 Brooks, C.J. (LM)
 Brown, A.H. (LM)
 Chamberlain, R. (HM)
 Clayton, H.M. (LM)
 Davis, D. (LM)
 Enderby, K.R. (HM)
 Hall, J.E. (HM)
 Haynes, F.
 Hunt, Dr J.C.R.
 Inglefield, Mrs E.J.
 Lander, R.W. (HM)
 Lane, Dr J.J.
 Marsh, J.E. (HM)
 Murfitt, K.

Pearce, Dr W.C.
 Raven, E.F. (HM)
 Richards, Dr J.M. (LM)
 Rigby, J. (LM)
 Riley, Dr R.V. (LM)
 Singh, Dr S.
 Thorington, N.
 Walter, H.J.
 Weldon, Miss G.M. (LM)
 Wheatley, R.W.C. (HM)
 Wilcock, T.G.

MEMBERSHIP LIST EASTERN

LOCAL AUTHORITY MEMBERS

Basildon District Council
 Brentwood District Council
 Castle Point District Council
 Colchester Borough Council
 Epping Forest District Council
 Harlow District Council
 Norwich City Council
 St Edmundsbury Borough Council
 Thurrock Borough Council

CORPORATE MEMBERS

Centre for Environmental & Risk Management
 Ford Motor Company Limited
 National Power plc (SM)

INDIVIDUAL MEMBERS

Ball, Dr D.J.
 Birkill, H.
 Dobson, P.F.
 Fisher, J.G.
 Goodfellow, J. (HM)
 Shellard, N.T.
 Wade, R.E.
 Waldron Mr & Mrs R.A. (LM)
 Wright, A.

SOUTH EAST DIVISION

Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Greater London, Guernsey, Hampshire, Hertfordshire, Isle of Wight, Jersey, Kent, Oxfordshire, Surrey, West Sussex.

Chairman: Mr P. Cooney

Hon. Secretary: Joe Beagle

19 Oxgate Gardens, Brent,
London NW2 6EA

Telephone: 0181 452 0203 (*Home*)

LOCAL AUTHORITY MEMBERS

Adur District Council

Arun District Council

Barking & Dagenham, London Borough
of

Barnet, London Borough of

Bedford Borough Council

Bexley, London Borough of

Brighton Borough Council

Bromley, London Borough of

Broxbourne Borough Council

Cherwell District Council

Crawley Borough Council

Croydon, London Borough of

Dacorum Borough Council

Dartford Borough Council

Dover District Council

Ealing, London Borough of

East Hertfordshire District Council

East Sussex County Council

Eastbourne Borough Council

Elmbridge Borough Council

Epsom & Ewell District Council

Fareham Borough Council

Gosport Borough Council

Gravesham Borough Council

Greenwich, London Borough of

Guildford Borough Council

Hackney, London Borough of

Harrow, London Borough of

Hastings Borough Council

Havering, London Borough of

Horsham District Council

Hounslow, London Borough of
Islington, London Borough of
Kensington & Chelsea, Royal Borough of
Kingston upon Thames, Royal Borough of
Lewes District Council

London, City of

Luton Borough Council

Mid Bedfordshire District Council

North Hertfordshire District Council

Oxford City Council

Portsmouth City Council

Richmond upon Thames, London
Borough of

Rochester upon Medway City Council

Sevenoaks District Council

Slough Borough Council

South Bedfordshire District Council

South Oxfordshire District Council

Southampton City Council

Southwark, London Borough of

Surrey Heath Borough Council

Sutton, London Borough of

Wandsworth, London Borough of

Watford Borough Council

West Oxfordshire District Council

Westminster, City of

Woking Borough Council

Wokingham District Council

Worthing Borough Council

Wycombe District Council

CORPORATE MEMBERS

ARCO Chemicals Europe Inc

Automobile Association, The

BMT Fluid Mechanics Ltd

Born Environmental Ltd

BP Oil UK Ltd

British Airways plc

British Coal (SM)

British Gas plc (SM)

British Steel plc

Bruel & Kjaer (UK) Ltd

Calor Gas Ltd

Chartered Institute of Environmental
Health, The

Consultants in Environmental Sciences Ltd

Cory Environmental Ltd
 Dow Chemical Co Ltd
 Environmental Technology Research Ltd
 Esso Petroleum Co Ltd
 HM Inspectorate of Pollution (SM)
 Hoskyns Consulting
 Imperial Chemical Industries plc
 Institute of Petroleum, The
 Institution of Gas Engineers, The
 Johnson Matthey plc-Catalytic
 Systems Division
 Met Office, The
 National Power plc (SM)
 National Rivers Authority (SM)
 North East Surrey College of Technology
 RAC Motoring Services
 Rotork Analysis Ltd
 Sabre Gas Detection Ltd
 Shell UK Ltd
 South East Institute of Public Health
 TBV Science
 Tottenham College of Technology
 Unilever plc
 University of Oxford-Environmental
 Change Unit

INDIVIDUAL MEMBERS

Ades, T.R.
 Allen, Dr D.
 Ashworth, J.
 Askwith, Ms A.
 Atkinson, N.
 Attrell, Miss L.A.
 Bairds, J.M.
 Barrett, R.A.
 Barrowcliffe, R.
 Bartlam, J.N. (LM)
 Beaumont, M. (HM)
 Beevers, S.
 Bigg, Dr M.
 Boardman, P.
 Boddy, J.H. (LM)
 Bond, Professor G.C.
 Bradley, D.
 Brown, F.
 Brown, Dr R.S.

Brown, T. (LM)
 Bull, Dr M.A.
 Bussell, M.
 Butcher, D.
 Butler, J.W. (LM)
 Carter, C.J.
 Clark, Dr A.
 Cloke, Miss J.
 Colehan, J.E. (LM)
 Colville, Lt.Commander R.F. (LM)
 Cooper, Dr N.S.
 Cope, R.
 Couling, S.
 Crabbe, H.
 Craxford, Dr S.R. (LM)
 Crook, M.
 Di Massimo, R.A.
 East, R.G. (LM)
 Elsom, Prof D.M.
 Fisher, B.
 Fitzgerald, N. (LM)
 Fleming, B.
 Forsdyke, M.R.
 Foulsham, R.M.
 Fox, A.H.
 Frankland, R. (LM)
 Fuller, H.I. (LM)
 Gandy, Dr G.N.
 Garland, G.E. (LM)
 Gascoigne, J.L.
 Gibbons, K.H. (LM)
 Giblin, H. (LM)
 Gibson, R.
 Gibson, Ms V.
 Goldthorpe, M.
 Gonczar, A.S.
 Grant, P.M.
 Green, Mrs S.M.
 Grimaldi, Dr K.
 Guyomard, P.
 Hair, D.
 Hall, D.J.
 Hamilton, R.
 Harvey, D.
 Hawkings, C.
 Hickmott, S.

Hilton, J.G.
 Horne, G.L.
 Horsfall, A.M.
 Hunter, C.
 Hurst Hastings, D.
 Iddison, T.H. (LM)
 Ireland, M.
 James, B.W. (LM)
 Jenkins, Dr N.R.
 Jepps, S.E.
 Johnson, Dr C.A.
 Jones, T.H.
 Jupp, L.
 Kallend, Dr A.S.
 Kayes, Dr P.J.
 Kirk, Dr P.W.W.
 Lees, B. (LM)
 Lees, C.H.
 Logan, E.A.
 Londy, C.
 Marr, M.
 Martin, J.
 Mason, C.H.J.
 Mayall, A.
 McCarthy, G.A.
 McCracken, R. (LM)
 McCrae, I.S.
 Melville, J.
 Menuhin, Sir Y.
 Middleton, Dr D.R.
 Miessler, Mrs E. (LM)
 Mitton, P.
 Monro, Dr J.
 Mundy, K.
 Naylor, Mrs E.M.L. (HM)
 Neville, Ms N.
 Noakes, G.A.
 Obasaju, E.D.
 Ollerenshaw, R.J.
 Page, W.D.
 Parks, W.
 Payne, T.M.
 Penfold, D.
 Peoples, S.
 Pettit, K.
 Peverett, R.

Phillips, H.
 Pickles, A.T.
 Port, W.J.
 Potter, Miss C.
 Pritchard, D.F.
 Quale, V.
 Queree, N.
 Quint, M.
 Read, S.C.
 Reed, L.E. (LM)
 Rice, J.N.
 Richardson, R.C. (LM)
 Rose, Dr N.
 Russell, J.
 Scannell, K.
 Scorer, Professor R.S. (HM)
 Scotson, D.A. (LM)
 Sharkey, J.M.
 Sharp, D.H. (LM)
 Shillito, D.
 Simms, K.L.
 Skea, Dr J.
 Smith, F.J. (LM)
 Smith, Mrs P. (LM)
 Soliman, Dr J.
 Solkhon, Mrs B.J.
 Southwood, M.
 Streeter, M.
 Symons, D.N.
 Tagg, J.R. (LM)
 Tucker, Ms D.
 Tunnicliffe, M.F.
 Turner, Dr W.C. (LM)
 Valentin, Dr F.H. (LM)
 Varey, R.H.
 Verdin, A.
 Vincent, K.
 Vulkan, G. (LM)
 Wakeman, W.A.
 Walder, A.N.
 Walker, M.
 Wallin, S.C. (LM)
 Weaver, T.J.
 Wells, F.J.
 Wemyss, P.
 Weston, M.

Willcox, Mrs M.C.T.R.

Williams, I.

Winder, F. (LM)

Worley, S.

SOUTH WEST DIVISION

Avon, Cornwall, Devon, Dorset,
Gloucestershire, Somerset, Wiltshire.

Chairman: H. Dawson

Hon. Secretary: Peter Gendle

Environmental Health Department,

Woodspring District Council,

P.O. Box 143, Town Hall,

Weston super Mare, Bristol BS23 1AE

Telephone: 01934 634839 (*Office*)

Fax: 01934 634634 (*Office*)

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Avon County Council

Bath City Council

Bournemouth Borough Council

Bristol City Council

Cheltenham Borough Council

Cotswold District Council

East Dorset District Council

Exeter City Council

Forest of Dean District Council

Gloucester City Council

Mendip District Council

North Wiltshire District Council

Northavon District Council

Plymouth City Council

Poole Borough Council

South Hams District Council

South Somerset District Council

Stroud District Council

Taunton Deane Borough Council

Teignbridge District Council

Wansdyke District Council

West Dorset District Council

Weymouth & Portland Borough Council

Woodspring District Council

CORPORATE MEMBERS

Association of Private Pet Cemeteries &
Crematoria

Balfour Beatty Civil Engineering Ltd

Bournemouth University-Students Union

British Coal (SM)

British Gas plc (SM)

Cornwall College - Acoustics Group

Cross Manufacturing (1938) Ltd

Enviro Technology Services plc

HM Inspectorate of Pollution (SM)

J R Cooper Associates Ltd

National Power plc (SM)

National Rivers Authority (SM)

Nuclear Electric plc (SM)

University of the West of England -

Faculty of Applied Sciences

Zeneca plc

INDIVIDUAL MEMBERS

Ackroyd, Dr A.J.

Bartlett, M.J.E.

Baxter, T. (LM)

Beaman, Dr A.L.

Beckwith, Dr P.

Bradford, F.J. (LM)

Bray, Dr A.J.

Briggs, E.B. (LM)

Clarke, A.J. (LM)

Dawson, H. (HM)

Dickerson, D.S.

Edwick, B.H. (HM)

Hannabuss, G.H. (LM)

Harrison, J.S.

Hinchliffe, D.

Holman, Dr C.

Jones, Dr C.D.

Latham, M. (LM)

Lawson, Dr R.

Laxen, Dr D.

McArthur, R.J.

Morgan, S.

Nevard, L. (LM)

Newbery, Mrs J.

Pearse, J.D.

Perriman, R.J.

38 NSCA divisions

Price, B.
Redston, R.V. (LM)
Robertson, D.S. (LM)
Robson, A.
Stafford, S.J.
Street, A.
Thomas, W.G.
Turner, D.
Upton, B.C. (LM)
Vick, J.L. (LM)
Wade, Dr R.J.
Wright, D.

Torfaen Borough Council
Vale of Glamorgan Borough Council
West Glamorgan County Council

CORPORATE MEMBERS

British Gas plc (SM)
British Steel plc
HM Inspectorate of Pollution (SM)
National Power plc (SM)
National Rivers Authority (SM)
South Glamorgan Institute of
Higher Education
Swansea Port Health Authority
Trinity College-Science Dept

SOUTH AND MID WALES DIVISION

Wales except Clwyd and Gwynedd
Chairman: Cllr. Dr. J.R.P. Evans
Hon. Secretary: Terry Jones
28 Maes-y-celyn, Griffithstown,
Pontypool, Gwent NP4 5DG
Telephone: 01495 756766 (*Home*)
Telephone: 01495 766775 (*Office*)
Fax: 01495 755513 (*Office*)

INDIVIDUAL MEMBERS

Davies, G.H.
Davies, Ms M.K.
Harrison, J.E.
Hogg, J.
Jones, L.G.
Parry, J.W. (LM)
Thayer, J.M.
Thomas, H.I. (HM)

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Blaenau Gwent Borough Council
Cardiff City Council
Cynon Valley Borough Council
Dinefwr Borough Council
Islwyn Borough Council
Llanelli Borough Council
Lliw Valley Borough Council
Merthyr Tydfil Borough Council
Mid Glamorgan County Council
Neath Borough Council
Newport Borough Council
Port Talbot Borough Council
Preseli Pembrokeshire District Council
Radnorshire District Council
Rhondda Borough Council
Rhymney Valley District Council
Swansea City Council
Taff Ely Borough Council

(HM) Honorary Members
(LM) Life Members
(SM) Sustaining Members

**MEMORANDUM OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

*Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions
on 5 October 1981 and 23 October 1991.*

1. The name of the company (hereinafter called “the Society” is “The National Society for Clean Air and Environmental Protection”.
2. The registered office of the Society will be situate in England.
3. i) The object for which the Society is established is to seek the improvement of the environment by promoting clean air through the reduction of air pollution, noise and other atmospheric contaminants having regard for the implications for other aspects of the environment.
 - ii) a) To initiate, assist, promote and encourage the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention, and to undertake, or support or aid the undertaking of, investigations and research relevant to the causes and effects of pollution and the means to prevent it and to publish the results of such research.
 - b) To promote public education in all matters relating to the value and importance of clean air and methods and consequences of air pollution control and forms of pollution control by arranging meetings, publications, exhibitions, the delivery of lectures and addresses, the display of pictures, cinematograph films and models and by other means.
 - c) To encourage the adoption of methods to reduce and prevent pollution.
 - d) To promote, assist, support, or oppose, as may be consistent with the objects for which the Society is established, any administrative or other measures or proposed measures affecting pollution.
 - e) To initiate, support and co-operate with others in proposals and activities calculated to assist the promotion of the Society’s objects.
 - f) To establish, and support or aid in the establishment and support of any charitable association or institutions and to subscribe or guarantee money for charitable purposes in any way connected with the Society’s purposes or calculated to further its objects.
 - g) To purchase, take on lease or in exchange, hire or otherwise acquire any real or personal property and any rights or privileges which the Society may think necessary or convenient for the promotion of its objects, and to construct, maintain and alter any building or erections necessary or convenient for the work of the Society.

- h) To sell, let, mortgage, dispose of or turn to account all or any of the property or assets of the Society as may be thought expedient with a view to the promotion of its objects.
- i) To undertake and execute any trusts which may lawfully be undertaken by the Society and may be conducive to its objects.
- j) To borrow or raise money for the purposes of the Society and subject to this Memorandum of Association on such terms and on such security as may be thought fit.
- k) To invest the moneys of the Society not immediately required for its purposes in or upon such investments, securities or property as may be thought fit, but so that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners for England and Wales shall only be invested in such securities and with such sanction (if any) as may for the time being be prescribed by law.
- l) If and when considered advisable, to take all such measures as may be necessary to convert the Society into a body specially incorporated by Royal Charter or otherwise, or to secure the creation of a new body so incorporated with the object of carrying out the purposes of the Society and continuing the work thereof.
- m) To take all such steps as will further the attainment of the above objects or any of them.

PROVIDED FIRST that, notwithstanding anything contained in the preceding paragraphs of this Clause, the objects of the Society shall be restricted to such only of the objects aforesaid as are according to the law of England exclusively charitable.

PROVIDED SECONDLY that the Society's objects shall not extend to regulation of relations between workers and employers or organisations of workers and organisations of employers.

PROVIDED THIRDLY that in case the Society shall take or hold any property subject to the jurisdiction of the Charity Commissioners for England and Wales or the Secretary of State for Education and Science, the Society shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law and as regards any such property the Council of the Society (hereinafter called "the Council") shall be chargeable for any such property that may come into their hands and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as the Council would have been if no incorporation had been effected, and the incorporation of the Society shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Secretary of State for Education and Science over the Council but they shall as regards any such property be subject jointly and severally to such control or

authority as if the Society were not incorporated. In case the Society shall take or hold any property which may be subject to any trusts, the Society shall only deal with the same in such manner as allowed by law, having regard to such trusts.

4. The income and property of the Society, whencesoever derived, shall be applied solely towards the promotion of the objects of the Society as set forth in this Memorandum of Association and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend bonus or otherwise howsoever by way of profit, to the members of the Society.

PROVIDED that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration and pension to any officer or servant of the Society in return for any services actually rendered to the Society, nor prevent the payment of interest at a rate of 6% per annum on money lent or reasonable and proper rent for premises demised or let by any member to the Society nor prevent the gratuitous distribution among, or sale at a discount to, subscribers to the funds of the Society of any books or other publications, whether published by the Society or otherwise, relating to all or any of the Society's objects above set forth; but so that no member of the Council shall be appointed to any salaried office of the Society or any office of the Society paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Society to any member of the Council, except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Society; provided that the provision last aforesaid shall not apply to any payment to any company of which a member of the Council may be a member, and in which such member shall not hold more than one hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the provisions of the Memorandum or Articles of Association of the Society for the time being in force unless the same shall have been previously submitted to and approved by the Department of Trade.
6. The fourth and fifth paragraphs of the Memorandum of Association contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of section 19(1) of the Companies Act 1948.
7. The liability of the members is limited.
8. Every Member of the Society undertakes to contribute to the assets of the Society, in the event of the same being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts and liabilities of the Society contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required not exceeding 5s (25p).
9. If upon the winding up or dissolution of the Society there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall

not be paid to or distributed among the members of the Society, but shall be given or transferred to some other charitable institution or institutions having objects similar to the objects of the Society, and which shall prohibit the distribution of its or their income and property among its or their members to an extent at least as great as is imposed on the Society at or before the time of dissolution, and if and so far as effect cannot be given to such provision, then to some charitable object.

**ARTICLES OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

Adopted by Special Resolution 29 March 1974 and amended by Special Resolutions on 5 October 1981, 1 October 1984, 27 October 1986, 21 October 1991, 19 October 1992 and 24 October 1994

DEFINITIONS

1. In these presents the words standing in the first column of the Table below shall bear the meaning set opposite to them respectively in the second column thereof, if not inconsistent with the subject or context:

<i>Words</i>	<i>Meaning</i>
The Act of 1948	The Companies Act, 1948.
The Act of 1967	The Companies Act, 1967.
The Acts	The Companies Act, 1948 and the Companies Act, 1967.
The Bye-Laws	The Bye-Laws of the Society from time to time in force.
These presents	These Articles of Association.
The Society	The above named Society.
The Council	The Council for the time being of the Society.
The Office	The registered office of the Society.
The Seal	The common seal of the Society.
The United Kingdom	Great Britain and Northern Ireland.
Month	Calendar month.
In writing	Written, printed or lithographed, or partly one and partly another, and other modes of representing or reproducing words in a visible form.
The Secretary General	The Secretary for the time being or any person appointed to perform the duties of Secretary of the Society, in accordance with the Acts.

Representative of a Member	A Representative of a Local Authority or Corporate Member appointed under Article 4d or e, and whose appointment has been duly notified to the Secretary General.
Delegate	A Representative of a Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member to represent its local interests in the particular Division in which its Branch or Section is situated.

And words importing the singular number only shall include the plural number, and vice versa. Words importing the masculine gender only shall include the feminine gender and vice versa and words importing persons shall include corporations.

Subject as aforesaid, any words or expressions defined in the Acts or any statutory modification thereof in force at the date on which these presents become binding on the Society shall, if not inconsistent with the subject or context, bear the same meanings in these presents.

MEMBERSHIP

2. The number of members with which the Society is registered is unlimited.
3. The provisions of section 110 of the Act of 1948 shall be observed by the Society and every member of the Society, other than Honorary Members, shall either make a written request to become a member (which request may be included in his application for membership made in accordance with Article 4(i) of these presents) or sign a written consent to become a member or sign the register of members on becoming a member.
4. a) The members of the Society shall be the persons who are members of the Society and such other persons as the Council shall from time to time elect or recommend to the Society for election.
- b) The Society shall consist of a President, Vice-Presidents, Secretary General, Honorary Members, Individual Members, Local Authority Members, Corporate Members and Student Members. The Society may also have a Patron or Patrons as hereinafter mentioned.

Classes of Membership:

- c) Individual Members
 - i) Any individual who supports the objects of the Society shall be eligible for admission as an individual member.
 - ii) On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be earlier, individual members may, at the discretion of the Council, retain their membership as individual members of the Society on payment of a fixed sum as prescribed in the Bye-Laws of the Society.
- d) Local Authority Members
 - i) Any local authority supporting the objects of the Society shall be eligible for

admission as a local authority member. A local authority member shall be entitled from time to time to appoint, and to revoke the appointment of not more than five representatives. Each of the representatives of a local authority member shall be entitled to exercise on its behalf the same rights as an individual member and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.

- ii) For the purpose of this Article, the designation local authority shall be deemed to include health authorities and water authorities or such other like authorities as the Council shall from time to time admit for membership.

e) Corporate Members

- i) Any Society, Institution, Company, Association, Board or Group or educational establishment being in every case an incorporated body supporting the objects of the Society shall be eligible for admission as a corporate member. A corporate member shall be entitled to appoint representatives according to subscription as set out in the Bye-Laws, and any such representatives shall be entitled to exercise on its behalf the same rights as an individual member, and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- ii) An unincorporated body (including a firm) may not as such become a member of the Society, but if it desires to obtain the advantages of membership it may nominate representatives (determined according to subscription as aforesaid) to apply in its name for membership and exercise the rights of membership on its behalf. Every person so applying for membership shall be subject to the same rules and regulations as to admission and otherwise as any person not so nominated, and shall if admitted have the same rights and be subject to the same liabilities and incidents as any individual member except that (i) such persons shall be liable to pay such annual subscription as is appropriate to a corporate member (ii) if his nomination is revoked by such a body he shall cease to be a member. References in these presents or in the Bye-Laws to corporate members shall as far as the context admits include reference to unincorporated bodies having nominated representative members provided always that no such body shall as such have any rights of voting or otherwise or be deemed for any purpose to be a member of the Society.

f) Sustaining Members

Any member who subscribes not less than the sum prescribed in the Bye-Laws for this class of membership shall be eligible for admission as a sustaining member.

g) Honorary Members

Individuals who have rendered outstanding service in promoting the objects of the Society shall be eligible for admission as Honorary Members and such persons, being duly admitted shall enjoy all the privileges of membership (including the right to vote) except that they shall not by virtue of their Honorary

Membership alone be deemed to be members of the Society for the purpose of registering within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

h) Student Members

Any bona fide non-graduate student pursuing a course of study at school, college or university shall be eligible for admission as a student member on payment of the subscription prescribed in the Bye-Laws.

i) Application for Membership

Every person wishing to join the Society and eligible for election as a member, must apply in writing and shall deposit with such application the first annual subscription which shall be returned in the event of non-election.

j) Resignation of Members

i) Every member duly elected shall continue as such until he shall resign by notice in writing, to the Secretary General, such notice being accompanied by any monies due to the Society.

ii) The Council shall have the power to remove any member:

a) whose annual subscription has remained unpaid for two successive years,
or

b) who, in the opinion of the Council has acted in a manner prejudicial to the interests and objects of the Society or has behaved in such a manner as to render his further membership detrimental to the interests of the Society,
or

c) at its sole discretion without assigning any reason therefore.

Provided that in every case the member concerned shall have the opportunity to make representations defending his conduct in writing to the Council.

k) Annual Subscriptions

The Council shall make Bye-Laws from time to time to fix annual subscriptions payable by the various classes of member. The Bye-Laws shall be confirmed by the Society in General Meeting.

ANNUAL GENERAL MEETING

5. The Society shall hold a General Meeting in every calendar year as its Annual General Meeting at such time and place as may be determined by the Council, and shall specify the Meetings as such in the notices calling it, provided that every Annual General Meeting shall be held not more than fifteen months after the holding of the last preceding Annual General Meeting.

EXTRAORDINARY GENERAL MEETING

6. All General Meetings, other than Annual General Meetings, shall be called Extraordinary General Meetings.
7. The Council may whenever they think fit convene an Extraordinary General Meeting, and Extraordinary Meetings shall also be convened on such requisition, or in default may be convened by such requisitions, as provided by section 132 of the Act of 1948.

NOTICE OF MEETINGS

8. Twenty-one days' notice in writing at least of every Annual General Meeting and of every meeting convened to pass a Special Resolution, and fourteen days' notice in writing at the least of every other General Meeting (exclusive in every case both of the day on which it is served or deemed to be served and of the day for which it is given), specifying the place, the day and the hour of meeting, and in the case of business other than routine business the general nature of that business, shall be given in manner hereinafter mentioned to such persons (including the Auditors) as are under these presents or under the Act entitled to receive such notices from the Society; but with the consent of all the members having the right to attend and vote thereat, or of such proportion of them as is prescribed by the Act in the case of meetings other than Annual General Meetings, a meeting may be convened by such notice as those members may think fit.
9. The accidental omissions to give notice of a meeting to, or the non-receipt of such notice by, any person entitled to receive notice thereof shall not invalidate the proceedings at such meetings.

PROCEEDINGS AT GENERAL MEETINGS

10. Routine business shall mean and include only business transacted at an Annual General Meeting of the following classes, that is to say:
 - a) Reading and considering the accounts and balance sheet and the annual reports of the Council and the Auditors.
 - b) Appointing Auditors and fixing their remuneration.
 - c) Receiving the results of the election of the Council and other officers.
11. No business shall be transacted at any General Meeting unless a quorum is present when the meeting proceeds to business. Save as herein otherwise provided ten members or representatives of members personally present shall be a quorum.
12. If within half an hour from the time appointed for the holding of a General Meeting a quorum is not present, the meeting, if convened on the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, or at such other place as the Council may determine, and if at such adjourned meeting a quorum is not present within half an hour from the time appointed for holding the meeting the members present shall be a quorum.
13. The Chairman (if any) of the Council shall preside as Chairman at every General Meeting, but if there be no such Chairman, or if at any meeting he shall not be present within fifteen minutes after the time appointed for holding the same, or shall be unwilling to preside, the members present shall choose one of the Deputy Chairmen or some other member of the Council, or if no such member be present, or if all the members of the Council present decline to take the chair, they shall choose some member or representative of a member of the Society who shall be present to preside.

14. The Chairman may, with the consent of any meeting at which a quorum is present (and shall if so directed by the meeting) adjourn the meeting from time to time, and from place to place, but no business shall be transacted at any adjourned meeting other than business which might have been transacted at the meeting from which the adjournment took place. Whenever a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given in the same manner as of an original meeting. Save as aforesaid, the members shall not be entitled to any notice of an adjournment, or of the business to be transacted at an adjourned meeting.
15. At any General Meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless a poll is, before or upon the declaration of the result of the show of hands, demanded by the Chairman or by at least five members or representatives of members present in person or by proxy, or by members or representatives of members present in person or by proxy and representing not less than one-tenth of the total voting rights of all the members and representatives of members having the right to vote at the meeting, and unless a poll be so demanded a declaration by the Chairman of the meeting that a resolution has been carried, or carried unanimously or by a particular majority or lost, or not carried by a particular majority, and an entry to that effect in the minute book of the Society shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against that resolution. The demand for a poll may be withdrawn.
16. Subject to the provisions of Article 17, if a poll be demanded in manner aforesaid, it shall be taken at such time and place, and in such manner, as the Chairman of the meeting shall direct, and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
17. No poll shall be demanded on the election of a Chairman of a meeting or on any question of adjournment.
18. In the case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting shall be entitled to a second or casting vote.
19. The demand for a poll shall not prevent the continuance of a meeting for the transaction of any business other than the question on which a poll has been demanded.

VOTES OF MEMBERS

20. Subject as hereinafter provided, every member shall have one vote. A local authority member or corporate member shall have one vote for each of its representatives which shall be exercisable by such representatives in person.
21. Except in accordance with Article 4g and 29, and unless the Council otherwise determine, no member other than a member duly registered, who shall have paid every subscription and other sum (if any) which shall be due and payable to the Society, in respect of his membership, shall be entitled to vote on any question either personally through its representatives or by proxy, or as a proxy for another member at any General Meeting.

22. a) Votes may be given on a poll either personally or by proxy. A proxy need not be a member.
- b) The instrument appointing a proxy shall be in writing under the hand of the appointer, or his attorney duly authorised in writing, or if such appointer is a corporation under its common seal, if any, and if none, then under the hand of some officer duly authorised in that behalf. In the case of a representative of a member any proxy shall be appointed by the member itself or its attorney and not by the representative.
- c) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarially certified or office copy thereof shall be deposited at the office not less than 48 hours before the time appointed for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of 12 months from the date of its execution.
- d) A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, provided that no intimation in writing of the death, insanity or revocation as aforesaid shall have been received at the office before the commencement of the meeting or adjourned meeting at which the proxy is used.
- e) An instrument appointing a proxy shall be in the common form or in such other form as the Council may accept, and shall be deemed to confer authority to demand or join in demanding a poll.

HONORARY OFFICERS

23. The officers of the Society shall consist of a President, Honorary Treasurer, Chairman and two Deputy Chairmen of the Council, the Immediate Past Chairman of the Council and may also include a Patron or Patrons as hereinafter mentioned.

PATRON

24. The Council may accept the patronage of any person or persons and shall thereupon elect such person or persons to be the Patron or Patrons of the Society for life or for such period as the Council may determine.

PRESIDENT

25. The President shall be elected annually by the Society under the Bye-Laws. No person shall hold the office of President for more than two years in succession.

HONORARY TREASURER

26. The Honorary Treasurer shall be elected annually by the Society under the Bye-Laws. The Honorary Treasurer shall be responsible for the uninvested funds of the Society and he shall cause all necessary and proper accounts to be kept in accordance with Article 47 hereof.

VICE-PRESIDENTS

27. a) Any person may be elected by the Society as a Vice-President providing that he or she is a person of distinction in an appropriate field who is likely to promote actively the work of the Society.
- b) Vice-Presidents shall normally be elected for a term of three years and may stand for re-election.
- c) Vice-Presidents shall not exceed fifteen in number.

CHAIRMAN AND DEPUTY CHAIRMEN

28. The Chairman and Deputy Chairmen shall be elected annually by the Council from its own members at its first meeting after the Annual General Meeting.
29. The Patron or Patrons (if any) of the Society, the President of the Society, and the Vice-Presidents shall enjoy all the rights of membership (including the right to vote) during their term of office except that they shall not by virtue of their office alone be deemed to be members of the Society for the purposes of registration within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

THE COUNCIL

30. Subject as hereinafter provided, the members of Council shall not be less than 20 in number. The Society may, by Ordinary Resolution from time to time, increase or reduce the minimum number of members of the Council. The Council may act notwithstanding any vacancies in their body, but if the members of the Council shall be reduced in number to less than that required for a quorum for their meetings, they may act as the Council for the purpose only of summoning a general meeting of the Society.
31. The Council shall consist of the Patron or Patrons (if any), the President, the immediate Past President, the Honorary Treasurer, the immediate past Chairman, a number of divisional representatives elected as hereinafter provided; and not more than a like number of other persons consisting of representatives of National or similar organisations which are corporate members of the Society, at the invitation of the Council. No person other than a member of the Society or a representative of a member may be appointed a member of the Council. The Council may from time to time and at any time appoint any member of the Society or a representative of a member as a member of the Council either to fill a casual vacancy or by way of addition to the Council. Any member so appointed shall retain his office only until the next Annual General Meeting, but he shall be eligible for re-election or re-appointment.
The term National or similar organisation shall refer to any institution, association, society or board or other similar organisation, the activities of which extend to the whole of the United Kingdom, or to England, Scotland, Wales or Northern Ireland, and which is accepted by the Council as a National or similar organisation for the purposes of these presents.

APPOINTMENT AND RETIREMENT OF MEMBERS OF THE COUNCIL

32. a) The members and representatives of members of each Division shall elect annually from among their number representatives to be members of the Council. Divisional representatives shall be elected to the Council for a period of three years. One-third of the elected members shall retire in rotation each year; such members shall be eligible for re-election. The number of Divisional representatives to be elected by each Division shall each year be determined by the Council.
- b) A National or similar organisation shall be entitled to nominate annually one representative for membership of the Council under Article 31.
- c) The elected members of the Council shall (unless re-elected) vacate office after three years in accordance with the provisions of Article 32a.
33. The office of a member of the Council shall be vacated:
- a) if he ceases to be a member or a representative of a member of the Society;
- b) If by notice to the Society he resigns his office;
- c) If a receiving order is made against him or he makes any arrangement or composition with his creditors;
- d) If he becomes of unsound mind;
- e) If he ceases to hold office by reason of any order made under section 188 of the Act of 1948;
- f) If he is removed from office by a resolution duly passed pursuant to section 184 of the Act.
34. A member of the Council who has attained the age of seventy shall be eligible for election and the provision of subsections (1) and (2) of section 185 of the Act of 1948 shall not apply.

POWERS OF THE COUNCIL

35. The management of the Society shall be in the hands of the Council who may pay all expenses incurred in forming and registering the Society and may exercise all such powers of the Society as are not by the Act of 1948 or by these presents required to be exercised by the Society in General Meeting, subject nevertheless to any regulations of these presents, to the provisions of the Act of 1948, and to such regulations (not inconsistent with the aforesaid regulations or provisions) as may be prescribed by the Society in General Meeting, but no regulations so made by the Society shall invalidate any prior act of the Council which would have been valid if such regulations had not been made. The general powers given by this Article shall not be limited or restricted by any special authority or power given to the Council by any other Article.
36. i) The Council shall, as necessary, make and recommend the adoption, alteration and revocation of the Bye-Laws for the regulation of the Society and otherwise for the furtherance of the purposes for which the Society is established, provided that the Bye-Laws are not repugnant to the Memorandum of Association or these presents. Such recommendations of the Council shall be laid before the Society at the following Annual General Meeting or at an Extraordinary General

Meeting called for that purpose for adoption, if thought fit, by Ordinary Resolution. The Bye-Laws for the time being in force shall be binding upon all members until varied or set aside as hereinafter provided. It is expressly declared that, without prejudice to the powers of the Society to adopt Bye-Laws on other matters, the following shall be deemed to be matters which (so far as not governed by, and subject always to the provisions of, these presents) may be governed by Bye-Laws within the meaning of this Article, that is to say:

- a) As to entrance fees (if any) payable in respect of membership of the Society.
- b) As to the annual, quarterly or other subscriptions or payments to be payable by the members of the Society.
- c) As to the rights and privileges to be accorded to, and the qualifications, restrictions and conditions to be imposed on, members of the Society.
- d) As to committees of members in connection with various branches of the Society's activities, and as to the appointment, removal, qualification, disqualification, duties, functions, powers and privileges of members of such committees.
- e) As to the manner in which the election of officers and Council members shall be conducted.
- f) As to the geographical divisions of the Society for electoral purposes, and the setting up and regulation of Divisional Councils and their membership, duties, functions and powers.
- ii) The Council shall have power to issue Standing Orders from time to time regulating the appointment of various committees from members of the Society or otherwise as provided herein for the better administration of the business of the Council and directing the terms of reference of such committees and the procedure governing the transaction of their business.
- iii) Any Committee appointed in accordance with this Article shall have power to adopt persons to act as members of the committee whose qualifications or experience will assist the committee in its work, but the number of persons so adopted shall not exceed one-third of the membership of the committee excluding adopted members.

SECRETARY GENERAL

- 37. i) The Secretary General shall be appointed by the Council for such time at such remuneration and upon such conditions as they think fit, and any person so appointed may be removed by them. The provisions of section 177 and 179 of the Act of 1948 shall apply and be observed.
- ii) The Secretary General shall from time to time submit financial statements at the request of the Council. It shall be his duty, under the direction of the Council, to conduct the correspondence of the Society, to attend meetings of the Council and committees thereof, to take minutes of the proceedings of such meetings, to superintend the publication of such papers as the Council may direct, engage and be responsible for all persons employed under him, and, in general, conduct the ordinary business of the Society in accordance with the Memorandum and Articles of Association.

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- iii) The Council may from time to time by resolution appoint an assistant or deputy Secretary General, and any person so appointed may act in place of the Secretary General if there be no Secretary General or no Secretary General capable of acting.

THE SEAL

- 38. The Council shall provide a Common Seal of the Society and make rules for the safe custody and use thereof, and it shall only be used by the authority of the Council previously given and in the presence of one member of the Council at least, and every such instrument shall be countersigned by the Secretary General or some other person duly authorised by the Council.

PROCEEDINGS OF THE COUNCIL

- 39. The Council may meet together for the dispatch of business, adjourn and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business. Unless otherwise determined, ten shall be a quorum. Questions arising at any meeting shall be decided by a majority of votes. In case of an equality of votes the Chairman shall have a second or casting vote.
- 40. Five members of the Council may, and on the request of five members of the Council the Secretary General shall, at any time, summon a meeting of the Council by notice served upon the several members of the Council. A member of the Council who is absent from the United Kingdom shall not be entitled to notice of a meeting.
- 41. The Chairman shall be entitled to preside at all meetings of the Council at which he shall be present, but if no such Chairman be elected, or if at any meeting the Chairman be not present within five minutes after the time appointed for holding the meeting and willing to preside, the members of the Council present shall choose one of the Deputy Chairmen and failing them one other of their number to be Chairman of the Meeting.
- 42. A meeting of the Council at which a quorum is present shall be competent to exercise all the authorities, powers and discretions by or under the regulations of the Society for the time being vested in the Council generally.
- 43. The Council may delegate any of their powers to committees consisting of such member or members of the Council as they think fit, and any committee so formed shall, in the exercise of the power so delegated, conform to any regulations imposed on it by the Council. The meetings and proceedings of any such committee shall be governed by the provisions of these presents for regulating the meetings and proceedings of the Council so far as applicable and so far as the same shall not be superseded by any Bye-Laws made by the Council.
- 44. All acts bona fide done by any meeting of the Council or any committee of the Council, or by any person acting as a member of the Council, shall notwithstanding it be afterwards discovered that there was some defect in the appointment or continuance in office of any such member or person acting as aforesaid or that they or any of them were disqualified, be as valid as if every such

person had been duly appointed or had duly continued in office and was disqualified to be a member of the Council.

45. The Council shall cause proper minutes to be made of all appointments of officers made by the Council and of the proceedings of all meetings of the Society and of the Council and of committees of the Council, and all business transacted at such meetings, and any such minutes of any meetings, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be sufficient evidence without any further proof of the facts therein stated.
46. A resolution in writing signed by a majority of the members for the time being of the Council or of any committee of the Council who are entitled to receive notice of a meeting of the Council or of such committee shall be as valid and effectual as if it had been passed at a meeting of the Council or of such committee duly convened and constituted.

ACCOUNTS

47. The Council shall cause proper books of account to be kept with respect to:
 - a) all sums of money received and expended by the Society and the matters in respect of which such receipts and expenditure take place;
 - b) all sales and purchases of goods by the Society; and
 - c) the assets and liabilities of the Society.Proper books shall not be deemed to be kept if there are not kept such books of account as are necessary to give a true and fair view of the state of affairs of the Society and to explain its transactions.
48. The books of account shall be kept at the office, or subject to section 147(3) of the Act of 1948 at such other place or places as the Council shall think fit, and shall always be open to the inspection of the members of the Council.
49. The Council may from time to time impose reasonable restrictions as to the time and manner of the inspection by the members (other than members of the Council) or by representatives of members of the accounts and books of the Society, or any of them, and subject to such restrictions the accounts and books of the Society shall be open to the inspection of such members or representatives of members at all reasonable times during business hours.
50. The Council shall from time to time in accordance with sections 148, 150 and 157 of the Act of 1948 cause to be prepared and laid before the Society in General Meeting, such income and expenditure accounts, balance sheets and group accounts (if any) and reports as are referred to in those sections. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Society in General Meeting, together with a copy of the Auditors report, shall not less than twenty-one days before the date of the meeting be sent to every member of, and holder of debentures of, the Society. Provided that this Article shall not require a copy of those documents to be sent to any person of whose address the Society is not aware or to more than one of the joint holders of any debentures.

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AUDIT

51. Once at least in every year the accounts of the Society shall be examined, and the correctness of the income and expenditure account and balance sheet ascertained by one or more properly qualified Auditor or Auditors.
52. Auditors shall be appointed and their duties regulated in accordance with sections 159 to 162 of the Act of 1948, the members of the Council being treated as the Directors mentioned in those sections.

NOTICES

53. A notice may be served by the Society upon any member, either personally or by sending it through the post in a prepaid letter, addressed to such member at his registered address as appearing in the register of members.
54. Any member described in the register of members by an address not within the United Kingdom, who shall from time to time give the Society an address within the United Kingdom at which a notice may be served upon him, shall be entitled to have notices served upon him at such address, but, save as aforesaid and as provided by the Act, only those members who are described in the register of members by an address within the United Kingdom shall be entitled to receive notices from the Society.
55. Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same is put into the post, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office as a prepaid letter.

DISSOLUTION

56. Clause 9 of the Memorandum of Association of the Society relating to the winding up and dissolution of the Society shall have effect as if the provisions thereof were repeated in these Articles.

BYE-LAWS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Ordinary Resolution dated 29 March 1974 and as amended on 13 October 1976, 6 July 1977, 20 July 1978, 16 July 1980, 5 October 1981, 18 October 1982, 31 October 1983, 1 October 1984, 14 October 1985, 27 October 1986, 26 October 1987, 24 October 1988, 23 October 1989, 15 October 1990, 21 October 1991, 4 October 1993 and 24 October 1994.

DEFINITIONS

1. The Definitions section of the Articles of Association of the Society shall be deemed to be incorporated in and applied to these presents.

SUBSCRIPTIONS

2. Annual subscriptions shall be as hereinafter provided. A first annual subscription shall be made on application for membership and shall continue in force until the first day of April of the following year, when it shall be renewable.

a) Individual Members

- i) The annual subscription payable by an individual member shall be not less than £26.00. On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be the earlier, on payment of the sum of Fifty-two Pounds, individual members may, at the discretion of the Council, retain their membership of the Society in perpetuity, but always subject to the Council's right of removal.
- ii) Individual members may on payment of not less than Five Hundred and Twenty Pounds become life members of the Society.

b) Local Authority Members

The annual subscription payable by a local authority shall be not less than as follows: for local authorities with a population of:

Less than 100,000	£355.00
100,001 to 250,000	£425.00
250,001 to 500,000	£515.00
500,001 to 1,000,000	£690.00
For each additional 500,000 or part thereof	£70.00

c) Corporate Members

The annual subscription payable by corporate members shall be as follows:

- i) Small local civic societies, colleges, schools and similar organisations — £47.00
- ii) Corporate and industrial organisations with less than 50 employees — £90.00
- iii) Corporate and industrial organisations with 50 to 199 employees — £180.00
- iv) Corporate and industrial organisations with 200 or more employees — £355.00
- v) Corporate and industrial organisations with regional, area or divisional offices — by negotiation.

d) Sustaining Members

The annual subscription for a sustaining member shall be not less than three times the minimum subscription payable by a local authority member under Bye-Law 2(b) or three times the subscription of a corporate member under Bye-Law 2(c)(iv).

e) Membership — Special Cases

Under the Bye-Laws the Council of the Society has the power to elect any applicant for membership to an appropriate grade of membership, on such special terms as to subscription or otherwise as after considering any reasons for so doing stated by such applicant the Council may think proper.

REPRESENTATIVES OF MEMBERS

3. a) Local Authority Members

Each local authority member shall be entitled to appoint not more than five representatives.

b) Corporate Members

i) Corporate members elected to membership under Bye-Law 2(c)(i) shall each be entitled to appoint one representative.

ii) Corporate members elected to membership under Bye-Law 2(c)(ii) shall each be entitled to appoint three representatives.

iii) Corporate members elected to membership under Bye-Law 2(c)(iii) shall each be entitled to appoint four representatives.

iv) Corporate members elected to membership under Bye-Law 2(c)(iv) shall each be entitled to appoint five representatives.

v) Corporate members elected to membership under Bye-Law 2(c)(v) shall each be entitled to appoint representatives by negotiation.

RIGHTS OF MEMBERS

4. Each individual member, local authority member and corporate member and each representative of a local authority member or corporate member, who has paid the appropriate subscription for the current year, shall have the right to:

i) Nominate individual members and representatives as officers or members of the Council;

ii) Be nominated and elected as an officer or member of the Council;

iii) Cast one vote at elections;

iv) Receive notices of and attend and participate in all meetings of the Society and of the member's Division;

v) Move or second, and cast one vote on motions at meetings of the Society and of the member's Division;

vi) Receive free of charge as they are issued the Journal and Members Handbook of the Society;

vii) Obtain from the Society, advice and information on questions relating to pollution and its control.

DIVISIONS

5. a) For administrative and electoral purposes the Society shall be divided into geographical Divisions as follows:

Scotland

Northern Ireland

Northern: Cleveland, Cumbria (in part, only — Allerdale District Council, City of Carlisle and Eden District Council), Durham, Northumberland, Tyne and Wear.

North West: Cheshire, Clwyd, Cumbria (in part, only — Barrow-in-Furness Borough Council, Copeland District Council and South Lakeland District Council), Greater Manchester, Gwynedd, Lancashire, Merseyside.

Yorkshire and Humberside: Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

West Midlands: Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.

East Midlands: Cambridgeshire, Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire.

Eastern: Essex, Norfolk, Suffolk.

South East: Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Greater London, Hampshire, Hertfordshire, Isle of Wight, Kent, Oxfordshire, Surrey, West Sussex.

South West: Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.

South and Mid Wales: Wales except for Clwyd and Gwynedd.

- b) Members shall normally be considered as belonging to the Division in which their address, as entered upon the Society's records, is situated. However, members may elect to belong to another Division better suited to their needs.
- c) For the purposes of carrying out activities in a Division, the members, as hereinafter defined, may elect from among themselves a Divisional Council and its Honorary Officers. A Divisional Council and its Honorary Officers, other than Secretary and auditors, shall consist only of members, representatives and delegates of members. The Constitution and activities of a Divisional Council shall be subject to the general approval of the Council which shall pay or make grants for approved expenses.
- d) The members, representatives and delegates of members, as hereinafter defined, in any town or district within a Division, may, if they so desire, and with the approval of the Council and of their Divisional Council, set up a branch of the Division and elect committees and Honorary Officers. The activities of a branch shall be subject to the general approval and guidance of the Council and of the Divisional Council and the Divisional Council may pay and make grants for approved expenses.

PRESIDENT, VICE-PRESIDENTS, HONORARY MEMBERS AND HONORARY TREASURER

- 6. a) The President and an Honorary Treasurer shall be elected annually on the recommendation of the Council by the Society at its Annual General Meeting.
- b) Vice-Presidents shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.
- c) Honorary Members shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.

THE COUNCIL

- 7. a) The business of the Society shall be specified in Article 35 and shall include the direction of the policy of the Society, the work of its committees, the reception of reports from such committees, from Divisions, from Headquarters and subject groups.
- b) The Council at its first meeting after election shall elect from its own members, a Chairman, two Deputy Chairmen and the following committees:

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- i) Finance and Administration
 - ii) Conference and Promotions
 - iii) Technical
 - iv) Parliamentary and Local Government
 - v) Noise
 - vi) Any other committee considered by the Council to be necessary.
- c) The Chairman of Council, the two Deputy Chairmen of Council, the Honorary Treasurer, the Chairmen of the standing committees (or Deputies in their absence) and the Immediate Past Chairman of Council shall comprise a Steering Group and will meet as required with the following terms of reference:
- To implement Council policy
 - To ensure that the programmes of the standing committees are comprehensive and appropriately interlocking
 - To formulate proposals for policy changes
 - To act on behalf of the Council in cases of urgency
 - To report to the next following meeting of Council any action taken on its behalf.
- d) There shall also be a Nominations Committee, appointed by the Council. The terms of reference of this committee shall be as set out in the Standing Orders of the Council.
- e) The procedure for the election of Chairman, Deputy Chairmen and committees, and the rules and functions of all committees, shall be decided by the Council.

ELECTIONS

8. a) President, Vice-Presidents, Honorary Members and Honorary Treasurer. Nominations for the office of President, Vice-Presidents, Honorary Members and Honorary Treasurer may be made by any member of the Society. Nominations, in writing, shall be received by the Secretary General not less than three months prior to the date of the Annual General Meeting.
- b) i) Divisional representatives (elected in accordance with Article 32(a)). Each member may nominate Divisional representatives for his own Division provided that he does not nominate more than the total number to be appointed by that Division. Nominations shall be made to the Divisional Secretary not less than seven days before the date of the Annual General Meeting of the Division. In the event of more nominations being received than there are Divisional Representatives to be appointed, elections by ballot shall be held at the Annual General meeting of the Division. The result of such an election is to be reported to the Secretary General of the Society not later than seven days before the date of the Society's Annual General Meeting. The names of the persons so elected shall be announced at such Annual General Meeting.
- ii) No member or representative of a member shall nominate, be nominated for, or vote in any Divisional election other than that of which he is a member or representative.
- c) Representatives of National or similar organisations (in accordance with Article 32(b)). Nominations from National or similar organisations shall be received by

the Secretary General not less than seven days before the date of the Annual General Meeting.

- d) No nomination for office shall be considered valid unless the agreement of the candidate has been previously obtained.

INTERPRETATION OF BYE-LAWS

- 9. The Council shall have full power to decide any question of interpretation of these Bye-Laws and any other question on which these Bye-Laws are silent, subject to the power of the Society in any subsequent general meeting to review any such decision and to make new provision in relation thereto.

NSCA FORTHCOMING EVENTS

Spring Workshop Local Air Quality Management - from concept to reality

Wednesday 29 and Thursday 30 March 1995

Northampton Moat House

NSCA Members: residential - £210.00 or non-residential - £160.00

Non-members: residential - £270.00 or non-residential - £22.00

Training Seminar Planning and Air Quality

Thursday 15 June 1995

National Exhibition Centre, Birmingham

NSCA Members - £90.00

Non-members - £115.00

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Fax: 01273 735802

DIRECTORY OF ENVIRONMENTAL AND RELATED ORGANISATIONS

For ease of reference entries in this directory are arranged in alphabetical order with a classified index. Brief descriptions are included of organisations whose titles are not self explanatory. Organisations are classified under the following headings:

Air Pollution	Industrial
Built Environment	Local Government
Consumer Issues	Meteorology
Countryside Conservation	Noise Pollution
Development Issues	Pesticides
Energy	Research
Environmental Education	Transport
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National and International organisations are listed separately.

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Tel: 0171 215 1042

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Fax: 0181 541 9447

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ern Ireland
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UK ATOMIC ENERGY AUTHORITY

Harwell, Chilton

Oxon OX11 0RA

Tel: 01235 821111

**UK CENTRE FOR ECONOMIC &
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3e Kings Parade

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Stephen Tromans, Chairman

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Tel: 0171 628 2020

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ASSOCIATION (UKPIA)**

9 Kingsway

London WC2B 6XH

Tel: 0171 240 0289

Fax: 0171 379 3102

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Hobart House

Grosvenor Place

London SW1X 7AE

Tel: 0171 245 9718

National Agency for the promotion of waste
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WATT Committee on Energy

Burlington House

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London W1V 0LQ

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Waterside South
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Tel: 01522 544400

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NETWORK**

Aberdeen Studios
22 Highbury Grove
London N5 2EA
Tel: 0171 354 8823
Consumer information: 0171 704 6800.
Fax: 0171 354 0464

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PO Box 191

Eastwood

New South Wales 2122

Tel: (+61-3) 858 4663

Fax: (+61-2) 858 3854

Secretary: Mr P Williams

AUSTRIA

Austrian Society for Air and Soil Pollution Prevention

c/o Environmental Protection Agency

Spittelauerlände 5

A-1090 Vienna

Austria

Tel: (+43-1) 31 304-460

Fax: (+43-1) 31 394-400

International Coordinator: Dip Ing

Isabella Hammer-Kossina

BELGIUM

Royal Flemish Chemical Society - Environment and Safety Section

p.a. Bayer Antwerpen NV

Adfeling Mileieuanalyse

Haven 507 - Scheldelaan 420

B-2040 Antwerpen

Tel: (+32-9) 223 33 73

Fax: (+32-9) 223 34 55

International Coordinator: Dr R Bouckaert

FINLAND

Finnish Air Pollution Prevention Society (FAPPS)

PO Box 335

SF-00131 Helsinki

Tel: (+358-0) 45 66 159

Fax: (+358-0) 45 52 408

(Mail - Ms Merja Tolvanen, VTT/Chemical Technology Environmental Technology, PO Box 1403, FIN-02044 VTT)

FRANCE

Association for the Prevention of Atmospheric Pollution (APPA)

58 rue du Rocher

75008 Paris

Tel: (+33-1) 42 93 62 07

Fax: (+33-1) 42 93 41 99

President: M Pierre Gaussens

GERMANY

Commission on Air Pollution Prevention in VDI and DIN

Robert-Stolz-Strasse 5

Postfach 10 11 39

D-40002 Düsseldorf 1

Tel: (+49-211) 6214-532

Fax: (+49-211) 6214-157

Secretary: Dr-Ing Klaus Grefen

ISRAEL

Israel Society for Ecology and Environmental Quality Sciences (ISEEQS)

Department of Environmental Sciences

The Hebrew University

Jerusalem 91904

Tel: (+972-2) 636841

Fax: (+972-2) 637260

International Coordinator: Professor Menachem Luria

ITALY

Air Pollution Study Committee (CSIA-ATI)

c/o Istituto di Scienze e Tecnologie
dell'Ingegneria Chimica

Via Opera Pia 15

16145 Genova

Tel: (+39-10) 353 2916

Fax: (+39-10) 353 2586

International Coordinator: Professor
Antero Barbieri

NETHERLANDS

**Society for Clean Air in the Netherlands
(CLAN)**

PO Box 6012

2600 JA Delft

Tel: (+31-15) 69 68 84

Fax: (+31-15) 61 31 86

Secretary: Dr J van Ham

NORWAY

Norwegian Clean Air Association (RLF)

PO Box 2312 Solli

N-0201 Oslo

Tel: (+47-2) 838330

Secretary: Sissel Kristiansen

SOUTH AFRICA

**National Association for Clean Air
(NACA)**

PO Box 2036

Parklands 2121

Tel: (+27-11) 646 2210

Fax: (+27-11) 646 2210

Director: Mr Roy Stephenson

USA

**The Air and Waste Management
Association**

Gateway 1, Third Floor

Pittsburgh

Pennsylvania 15222

Tel: (+1-412) 232 3444

Fax: (+1-412) 232 3450

Executive Vice-President: John Thorner

INTERNATIONAL ORGANISATIONS**Commission of European Communities**

Information Office
8 Storey's Gate
London SW1P 3AT
Tel: 0171 973 1992
Fax: 0171 973 1900

International Association on Water Quality

1 Queen Anne's Gate
London SW1H 9BT
Tel: 0171 222 3848
Fax: 0171 233 1197

CONCAWE (Conservation of Clean Air and Water in Western Europe)

Madouplein 1
B1030 Brussels
Belgium
Tel: (+32-2) 222 03111

Organisation for Economic Cooperation & Development

2 rue Andre Pascal
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France
Tel: (+331) 45 24 82 00

Council of Europe

Centre Naturopa
(Information and Documentation Centre on Nature Conservation)
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France
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Fax: (+33) 88 41 27 15

The United Nations Economic Commission for Europe

Palais des Nations
CH-1211 Geneva 10
Switzerland
Tel: (+41-22) 971 2893

European Environment Agency

6 Kongens Nytorv
1050 Copenhagen
Denmark

United Nations Environment Program (UNEP)

Regional Office for Europe
15 Chemin des Anémones
CH-1219 Châtelaine
Geneva
Switzerland
Tel: (+41 22) 979 9111
Fax: (+41 22) 797 3420

European Environmental Bureau (EEB)

Rue de la Victoire
B-1060 Bruxelles
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Tel: (+32-2) 539 0037
Fax: (+32-2) 539 0921

World Health Organisation (WHO)

European Regional Office
8 Scherfigsvej
DK-2100 Copenhagen
Denmark
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Aston House
10 Wedgwood Court
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Acer Environmental is a broad based environmental consultancy providing services in air quality monitoring and modelling throughout the UK. Acer can also provide analytical services, and expertise in noise and vibration, environmental management and audit and the scoping and writing of multi-disciplinary environmental statements.

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ALDERLEY ENVIRONMENTAL LTD

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Glos GL13 9RL
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Fax: 01453 511967

Alderley Environmental offers a specialist comprehensive service, monitoring airborne emissions (gases, dust, odour, noise) from industrial processes and commercial activities. We undertake environmental impact assessment, abatement strategy supported by pilot trials, dispersion modelling, and assistance in authorisation applications.

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Goodson's Industrial Mews
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Fax: 0191 295 5169

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CONSULTANTS LTD**

Newton House
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Leeds LS7 4DN
Tel: 01532 379222
Fax: 01532 621305
Telex: 557131

Aquaterra provides environmental services in the areas of contaminated land, groundwater pollution, evaluation and design of remedial alternatives, environmental audits and environmental risk management. Aquaterra is 50% owned by GZA GeoEnvironmental, a respected US environmental consultancy and 50% by Carl Bro Group, a major European civil and environmental consulting firm.

ARGUS LABORATORIES LTD

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Winston Business Centre
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Lancing
West Sussex BN15 8TU
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ARUP ENVIRONMENTAL

Ove Arup & Partners
13 Fitzroy Street
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Tel: 0171 465 2438
Fax: 0171 465 3510

Arup Environmental offer a complete and comprehensive environmental consultancy service in air pollution, IPC/LAAPC authorisations, environmental assessments, audits, waste management, contaminated land, landscape design, noise, water treatment, environmental planning and policy. Particular expertise is offered in air quality assessment and modelling for road schemes, industrial emissions, airport studies, rail schemes, new buildings, cooling towers, power station emissions, waste incinerators and dust from mineral workings.

ASPEN ENVIRONMENTAL

17 Wesley Way
Amington
Tamworth
Staffordshire B77 3JQ
Tel: 01827 52267
Fax: 01827 52267

An independent consulting service (Dr G W Buck - Principal), specialising in air quality and emissions monitoring, odour assessment and control, occupational hygiene, dispersion modelling, pollution effects on people, animals and plants, and expert witness in all the above fields.

ASPINWALL & COMPANY LTD

Walford Manor
Baschurch
Shrewsbury
Shropshire SY4 2HH
Tel: 01939 261144
Fax: 01939 261146

Aspinwall & Company are one of the UK's leading full service environmental management consultancies. Services include: contaminated land; air pollution; waste management; environmental impact assessment; water pollution; environmental auditing; land-use planning; landscape design; wastewater treatment; corporate strategy; policy and legislation; economic appraisal; occupational health and information technology.

BABTIE GROUP

95 Bothwell Street
Glasgow G2 7HX
Tel: 0141 204 2511
Fax: 0141 226 3109
Telex: 77202 Babtie G

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Tel: 01246 209654
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Independent environmental/fuel consultants: stack emission/general air pollution measurement; COSHH assessment/monitoring; Environmental Protection Act audits; environmental impact evaluation; odour measurement/impact study; liquid effluent analysis; treatment plant design; trouble-shooting; maintenance services etc; analysis of PAHs, dioxins and pesticides.

BELSTOCK CONTROLS

10 Moss Hall Crescent
Finchley
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Tel: 0181 446 8210
Fax: 0181 446 6991

Belstock Controls supply in-situ stack gas analysers and extractive gas analysis systems to monitor explosive and toxic gases. Also included in range are turbidimeters suspended solids monitors for effluent treatment monitoring, particle size analysis equipment and refractometers for measurement of concentration of dissolved solids.

BMT FLUID MECHANICS LTD

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Telex: 263118

The Company provides a comprehensive set of environmental services, with particular expertise in air quality and atmospheric pollution dispersion, cleaner technology and emission control. Facilities include an extensive range of software models, a computational fluid dynamics (CFD) unit and seven wind tunnels.

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Fax: 01223 357492

CERC is the UK's leading developer of software to predict the dispersion, concentration and deposition of airborne pollution. It incorporates the latest scientific advances, runs under 'Windows', and is used by the UK regulatory authorities (HMIP, HSE). CERC's principal model (ADMS) may be purchased, licensed or run on behalf of clients.

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Westerly Point

Market Street

Bracknell

Berkshire RG12 1QB

Tel: 01344 360222

Fax: 01344 360966

CH2M Hill are an established international firm of consulting engineers and scientists providing a broad range of environmental services. Our professional services in the air quality field include audits and emission inventories, compliance strategy, dispersion modelling and impact assessment, ambient and stack monitoring, abatement technology advice and budgetary assessments.

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100 Royston Road

Byfleet

Weybridge

Surrey KT14 7PB

Tel: 01932 355277

Fax: 01932 351285

Charles Austen Pumps manufacture air pollution samplers for monitoring fugitive dust and particle emissions, ideal for open cast mining sites and metal industries and providing an economical means of measuring the effectiveness of an abatement control programme. We also supply pumps and gas meters for the National Smoke Survey.

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Tel: 0121 359 5951

Fax: 0121 359 7606

Clayton Environmental Consultants help industrial, commercial and government clients identify and resolve many complex problems which they face today in the following areas: environmental management, laboratory testing, occupational hygiene, site investigation and remediation.

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Fax: 0161 929 7407

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PROCESS CONSULTANTS**

Beech Tree Building
PO Box 11
256 Foleshill Road
Coventry CV6 5AB
Tel: 01203 862500
Fax: 01203 862510

Cortex is an environmental and process consultancy serving mainly the process industries. As part of Courtaulds Engineering Ltd, Cortex has access to the considerable background and experience of the parent company, Courtaulds plc.

DAMES & MOORE

Booth House
15-17 Church Street
Twickenham, TW1 3NJ
Tel: 0181 891 6161
Fax: 0181 891 4457

Environmental consulting engineers providing services in pollution control, permitting, regulatory compliance, air monitoring, dispersion modelling, environmental impact assessments, auditing, environmental management systems, soil and groundwater contamination and remediation.

DAVID SHILLITO ASSOCIATES

Hartland Cottage
21 Bromley Common
Bromley
Kent BR2 9LU
Tel: 0181 460 8896
Fax: 0181 313 9749

Specialist consultancy services in environmental management policy and review; accident and incident investigation; dust microscopy and photomicroscopy and its use in the assessment of nuisance potential.

DCE LTD

Humberstone Lane
Thurmaston
Leicester LE4 8HP
Tel: 0116 269 6161
Fax: 0116 269 3028
Telex: 342409 DUST G

DCE design and manufacture dust control systems including the Unimaster range of intermittent motorised shaker cleaned fabric filters, the Dalamatic range of continuous operation reverse jet cleaned fabric filters and polymer based sintamatic range of filters.

92 Manufacturers, suppliers, consultants

DENVER SALA

A Division of Svedala Ltd
Stocks House
North Street
Leatherhead
Surrey KT22 7AX
Tel: 01372 379313
Fax: 01372 379504
Telex: 23704

Denver Sala offer a complete design, manufacture and after sales service for the Joy range of air pollution control equipment. Particulates and mist removal is achieved with electrostatic, fabric filter, wet scrubber and dynamic separators. Whilst for odour removal by biodegradation Denver Sala have the Clairtech range of microbiological filters.

DONALDSON TORIT

65 Market Street
Hednesford
Staffordshire WS12 5AD
Tel: 01543 425515
Fax: 01543 879136

Manufacturer and seller of a complete range of high efficiency reverse pulse cleaned cartridge filters for dust and fumes. Also a range of oil mist filters and mechanical shake cartridge filters - portable and static.

DUSTCHECK LTD

Unit 2
China Street
Fenton
Stoke on Trent ST4 3NJ
Tel: 01782 599454
Fax: 01782 599478

Dustcheck manufacture a comprehensive range of cartridge filter dust collectors covering all dust control applications up to 150 degrees C. The range starts with

its 0.25sq.m. vessel venting filters, progressing to silo venting filters 1 - 78sq.m. and cased filters for ducted systems 10sq.m. to 850sq.m. and larger. Services available include test facilities, technical back up, site survey through to design and system installation and COSHH surveys.

ELE INTERNATIONAL LTD

Eastman Way
Hemel Hempstead
Herts HP2 7HB
Tel: 01442 218355
Fax: 01442 252474

Manufacturers of environmental monitoring equipment for air, soil and water. Equipment includes portable photo-ionisation and flame-ionisation units for VOC and solvent emission monitoring, and the Environmental Monitoring Station with a range of sensors for pollution monitoring and control applications.

ENVIRO TECHNOLOGY SERVICES PLC

Environment House
Dudbridge Road
Stroud
Glos GL5 3EE
Tel: 01453 751641
Fax: 01453 757596

Manufacturers and suppliers of Air Quality monitoring systems and equipment, including ADNet 1000 networked monitoring stations. Sole UK distributor of OPSIS (DOAS) multi-analytical systems for Air Quality and process emissions (CEM) monitoring. In addition, software-based systems for Total Air Quality Management, including emissions database, Gaussian models and G.I.S. Complete laboratories manufactured in a range of housings.

**ENVIRONMENTAL TECHNOLOGY
RESEARCH LTD**

Stowe Castle Business Park
Buckingham MK18 5AB
Tel: 01280 822155
Fax: 01280 822299

Dust, particulate and smoke density meters and monitors for continuous measurement of emissions from stacks or exhaust ducts. Use of probe technology and cross stack optical techniques covers applications from indicative bag failure detection to calibrated quantitative measurement. Suitable for measurement in all industrial areas, equipment is designed to give high accuracy and reliability, low maintenance requirement and be acceptable for 1990 EPA applications.

**ERG (AIR POLLUTION CONTROL)
LTD**

Enviro-Centre
Foundry Lane
Horsham
West Sussex RH13 5QG
Tel: 01403 271711
Fax: 01403 271671

Scrubbers, bag filters, cyclones, carbon adsorbers and biofilters to control fume, gas, dust and odour from processes such as incineration, sewage treatment and chemical plant. Water treatment plant (softeners, deionisers). Effluent treatment plants for inorganic wastes. Water and chemical recovery installations. All equipment provided on a turnkey basis.

**ERWIN SICK OPTIC ELECTRONIC
LTD**

39 Hedley Road
St Albans
Herts AL1 5BN
Tel: 01727 855332
Fax: 01727 856767

Comprehensive range of in-situ instruments for the measurement of opacity, dust, various pollutant gases and gas velocity in stacks to meet the requirements of EPA. Also available are emission computers/data loggers, and iso-kinetic stack sampling systems for particulate concentration measurement and environmental sensors for motorway and tunnel use.

FERGUSON & TIMPSON LTD

Thistle House
Selinas Lane
Dagenham
Essex RM8 1TB
Tel: 0181 593 7611
Fax: 0181 595 9241
Telex: 23371

Fluid sealing materials and products, flexible foams, noise control materials and acoustic enclosures, acoustic flexible duct connectors and fan jackets, ducting, grilles and louvres etc, engineering maintenance products and protective clothing.

GOLDEN RIVER TRAFFIC LTD

Churchill Road
Bicester
Oxon OX6 7XT
Tel: 01869 240400
Fax: 01869 246858

Golden River Traffic designs and manufactures traffic data collection equipment including vehicle pollution measurement in conjunction with vehicle type, speed, weight and density. Equipment is deployed by the roadside on a temporary or permanent basis. Correlation between vehicle characteristics and pollution hot spots can be measured. The company is designing a noise pollution monitor also in conjunction with traffic parameter measurement. Data from sites can be retrieved manually or via telemetry.

GRASEBY ANDERSEN LTD

River House
97 Cray Avenue
St Mary Cray
Orpington
Kent BR5 4AA
Tel: 01689 877767
Fax: 01689 876661
Telex: 898188

Manufacturer and supplier of particle and VOC monitors and samplers for stack and ambient applications, including automatic isokinetic Method 5 stack trains. Sole supplier of the SANOA open path ambient monitor for benzene, formaldehyde, NO_x, SO₂, O₃ etc.

HADEN DRYSYS ENVIRONMENTAL

1506-1508 Coventry Road
Yardley
Birmingham B25 8AD
Tel: 0121 765 4040
Fax: 0121 706 6865

We specialise in air pollution control and in particular in VOC abatement and odour control. Our solutions are based upon our range of recuperative, regenerative and catalytic oxidisers and our adsorption and wet scrubber technology. Our systems can be integrated into client processes to minimise capital and running costs.

HALCYON ENVIRONMENTAL

27 Brunel Grove
The Woodlands
Perton
Wolverhampton
West Midlands WV6 7YD
Tel: 01902 743673
Fax: 01902 759840

Halcyon is a consultancy dedicated to advise and support industry and private sector clients in the achievement and compliance with existing and forthcoming environmental legislation. BS7750, EPA, specific analytical procedures, litigation and liability minimisation are fully supported by in house expertise.

**HALIFAX FAN MANUFACTURING
CO (INT) LTD**

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Salterhebble

Halifax

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Tel: 01422 348321

Fax: 01422 348366

Manufacturers of top quality industrial centrifugal fans. Our fan types include all conventional blade forms and are tested and rated to BS848 Part 1:1980. The quality control system is certified to BS5750 Part 1 and ISO9001.

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Moulton Park

Northampton NN3 6FL

Tel: 01604 671166

Fax: 01604 671080

Producer of analytical instrumentation for the measurement of pollution in both air and water. Now regarded as a market leader in Europe, Horiba has supplied a number of air pollution network systems and over 40 mobile laboratories.

**INDUSTRIAL ACOUSTICS
COMPANY LTD**

Walton House

Central Trading Estate

Staines

Middx TW18 4XB

Tel: 01784 456251

Fax: 01784 463303

Telex: 25518

Europe's largest manufacturer of noise and acoustic control equipment. Products include modular acoustic enclosures (for all types of plant and machinery), acoustic barriers, silencers for air/gas handling systems, louvres, acoustic doors, windows

and sound absorptive wall linings. The company is approved to the ISO 9001 quality standard.

**INSPECTORATE
ENVIRONMENTAL**

Belmont House

Vicarage Road

Edgbaston

Birmingham B15 3EZ

Tel: 0121 454 9922

Fax: 0121 454 1881

Telex: 995281

An environmental consultancy specialising in stack emissions monitoring, air quality and environmental impact assessments, contaminated land investigations and remediation, waste quality monitoring and effluent treatment, occupational hygiene, and the assessment of the built environment including legionella risk assessments and asbestos services. Services backed up by NAMAS accredited laboratory facilities.

INTEGRATED PHOTOMATRIX LTD

The Grove Trading Estate

Dorchester

Dorset DT1 1SY

Tel: 01305 263673

Fax: 01305 263679

Telex: 41166 MATRIX G

The design, manufacture and marketing of opto-electronic sensors and systems, vortex shedding gas flowmeters and orifice plate, venturi and pitot gas and liquid flowmeters.

JONES & ATTWOOD LTD

Titan Works
Stourbridge
West Midlands DY8 4LR
Tel: 01384 392181
Fax: 01384 371937

Suppliers of three proven systems to solve odour problems. Purafile - Dry scrubbing system using impregnated media, ideal for low concentrations. Certified performance for many gases. Free media analysis service and extensive application experience. Lo-cat - Wet scrubbing system specifically for hydrogen sulphide. Also treats biogas and landfill gas. Very low operation cost. Econ-Abator - Catalytic oxidiser for burning VOCs and other complex odours at any concentration. Pelletised catalyst is fluidised to prevent poisoning.

LAND COMBUSTION

Dronfield
Sheffield S18 6DJ
Tel: 01246 417691
Fax: 01246 290274

Stack gas emission monitoring. Land combustion design and manufacture portable and fixed continuous analysers for combustion safety, boiler efficiency and environmental compliance. Products include: CO, O₂, SO_x, NO_x, NH₃, H_xC_x and dust monitors for pulverising mill fires, flame monitors, dewpoint meters and slag control systems.

LEIGH ANALYTICAL SERVICES LTD

1 Station Road
Four Ashes
Wolverhampton WV10 7DQ
Tel: 01902 790011
Fax: 01902 791650

Independent environmental and analytical consulting arm of Leigh Environmental Ltd. LAS have a state-of-the-art laboratory capable of carrying out chemical analysis to US EPA standards. Typical samples handled include: contaminated soils, effluents/discharges, ground/surface waters, leachates, water. LAS also offer extensive field services including drilling sampling and field analysis. All laboratory and administrative functions are carried out under BS 5750 Part 2 accreditation.

LODGE STURTEVANT LTD

George Street Parade
Birmingham B3 1QQ
Tel: 0121 200 2333
Fax: 0121 200 2555
Telex: 338458

Lodge Sturtevant is now a subsidiary of FLS Miljo A/S of Denmark and can provide a full range of gas cleaning equipment for industrial applications. Products include electrostatic precipitators, fabric filters, cyclones and gas scrubbers. The equipment can be supplied turnkey with all ancillary equipment and erected on site.

PARSONS ENGINEERING

Leamore Lane
Bloxwich
West Midlands WS2 7EB
Tel: 01922 404318
Fax: 01922 495991

All forms of gas scrubbing plant, VOC abatement and odour control equipment especially sulphur dioxide. Products include packed towers, venturi scrubbers, multi-stage spray scrubbers, carbon adsorption systems and incineration. Full turnkey, design and manufacturing facilities available in house. We also manufacture tanks, fans, silencers and associated extract ductwork.

PARSONS ENGINEERING SCIENCE

Venture House
Allenby Business Village
Crofton Road
Lincoln LN3 4NL
Tel: 01522 575857
Fax: 01522 575428

Parsons Engineering Science (Parsons ES), operating in the UK as a division of The Ralph M Parsons Company Limited, has 2,100 employees worldwide. From the UK, Parsons ES furnishes environmental engineering services and related engineering, scientific and technical support services to industry in environmental management studies, wastewater treatment, sludge management systems, contaminated land remediation and air pollution abatement design.

QUANTITECH LTD

Unit 3
Old Wolverton Road
Old Wolverton
Milton Keynes MK12 5NP
Tel: 01908 227722
Fax: 01908 227733

Sales and after sales service of environmental monitoring equipment for VOC emissions, COSHH and EPA compliance. Sound and vibration monitors. Rental of equipment from our environmental division. Exclusive distributors for Foxboro, Gilian, Dasibi, Scintrex, Grimm Labortechnik, ETG Inc, Industrial Scientific Corporation, Bernath Atomic, Rion of Japan, Microsensors, EPM.

RESEARCH ENGINEERS LTD

11-31 Orsman Road
London N1 5RD
Tel: 0171 739 7811
Fax: 0171 739 6615
Telex: 261973 RE LTD G

Manufacturers of portable gas detection equipment utilising Flame Ionisation Detection (F.I.D) technology. The range includes intrinsically safe instruments (including data handling systems) and chromatograph versions for on-site hydrocarbon gas analysis. The equipment is suitable for VOC monitoring, leak detection and gas identification.

**SCIENTIFIC ANALYSIS
LABORATORIES LTD**

Business and Technology Centre
Green Lane
Eccles
Manchester M30 1RJ
Tel: 0161 787 3040
Fax: 0161 787 3044

SAL is an independently owned company with laboratories providing chemical analysis services for the Environmental, Chemical and Petrochemical sectors in the UK and Europe. Established in 1990, SAL has laboratory facilities located in Cambridge, Glasgow and, one of Europe's best equipped Mass Spectrometry labs, in Manchester.

**SHANKS & MCEWAN (NORTHERN)
LTD**

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Lanarkshire ML5 4UG
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Fax: 01236 440801

Waste management and disposal contractors with licensed transfer stations and landfill sites for domestic, industrial and commercial waste. BS5750 Part 1 registered. Consultants in waste minimisation and recycling processes. Depots throughout North West England, North Wales and Scotland.

**SYPOL ENVIRONMENTAL
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Aylesbury
Bucks HP20 2LA
Tel: 01296 415715
Fax: 01296 397106

a leading consultancy providing specialist advice and information concerning health and safety, occupational hygiene and environmental issues. Its key areas of expertise are construction, local and central government, health and manufacturing.

THERMO ELECTRON LTD

910 Birchwood Boulevard
Warrington
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Tel: 01925 813600
Fax: 01925 812138

Air pollution monitoring instrumentation. Analysers for ozone, carbon dioxide, sulphur dioxide, oxides of nitrogen, carbon monoxide, particulates and hydrocarbons are available. Mobile or static, integrated air quality systems with central micro-processor control and calibration may be custom built.

**UNITED AIR SPECIALISTS (UK)
LTD**

Heathcote Way
Heathcote Industrial Estate
Warwick CV34 6LY
Tel: 01926 311621
Fax: 01926 315986

Manufacturers of the SMOG-HOG® Electronic Air Cleaner for the collection of welding fumes, oil mist and smoke within the factory workplace. Also SMOKEETER® for removing tobacco smoke in the indoor working and leisure environment. Collection efficiency enables cleaned air to be recirculated, thus obviating heat losses.

VALENTIN, DR F H H

Consultant Chemical & Environmental Engineer

Elm Tree House
Letchworth Lane
Letchworth

Herts SG6 3ND

Tel: 01462 684940

Fax: 01462 671436

Environmental pollution, particularly odours, fumes, dusts and effluents; ventilation and factory safety and health matters; pollution and waste minimisation; design and engineering of pollution abatement plant, particularly odour and VOC control; legal and expert witness work (Fellow of the Academy of Experts); environmental audits (Registered Principal Environmental Auditor); EPA authorisations.

VISCO LTD

161 Stafford Road
Croydon CR9 4DT

Tel: 0181 686 3861

Fax: 0181 681 5930

Designers and manufacturers of counter legionella open and closed circuit cooling towers that comply with the requirements of HS(G)70, also dry cooling system. Less efficient drift eliminators replaced with microbiologically tested Visco Zerodrift eliminators. Refurbishment, uprating, cleaning and maintenance of existing cooling equipment.

WEATHER-DATA

66 Somers Road
Rugby

Warwickshire CV22 7DH

Tel: 01788 537575

Fax: 01788 537551

Manufacturers and sales of meteorologi-

cal sensors/systems, automatic weather stations. Meteorological monitoring systems, pollution drift tracking systems. PC based graphics software. Systems manufactured to customer specifications.

WHITE YOUNG

Arndale Court

Headingley

Leeds LS6 2UJ

Tel: 0113 278 7111

Fax: 0113 278 3487

Independent multi-discipline engineering consultancy offering comprehensive civil, structural, mechanical, electrical, process, instrumentation, energy and environmental engineering services and project management. Environmental services include environmental assessment, auditing, economics and policy, acoustics/noise control, air pollution, water pollution, contaminated land, waste management, effluent treatment, incineration, mineral working restoration, health and safety.

WRc ALERT

Henley Road

Medmenham

Marlow

Buckinghamshire SL7 2HD

Tel: 01491 571531

Fax: 01491 579094

WRc alert is part of WRc plc - a leading, independent, European research and consultancy organisation. Drawing on WRc's expertise and facilities, it brings cost-effective solutions to a range of environmental problems, including pollution control, equipment selection, performance and evaluation. Clients include industrial companies, government departments, regulatory agencies, local authorities, the European Commission and international organisations.

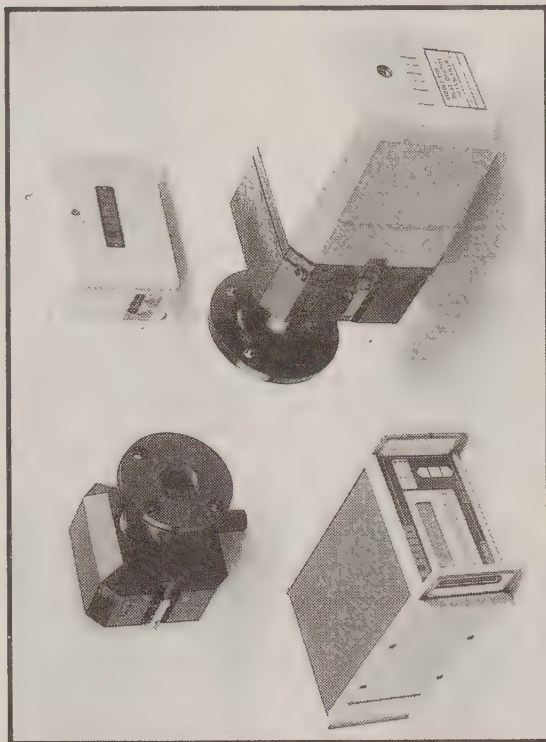
DUST MONITORING

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Land Combustion has introduced into their product range a new Dust/Opacity monitor. The **Model 4500 mk II** brings a new approach to continuous dust monitoring on stacks/ducts. Promising a more accurate, reliable measurement of dust and particulate matter in stack emissions. The **Model 4500 mk II** is suitable for worldwide compliance, measuring dust density or opacity. A more economic version, the new Model 4100 will satisfy customers who require opacity readings only. Again Land Combustion brings cost effective methods to solve emission problems.

- Automatic fail-safe shutters
- Built-in optical calibration facility
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- Operates over a wide range of stack diameters

Send today for full details of the Land range of environmental and combustion efficiency monitoring equipment



MODEL 4500 *mk II* DUST/OPACITY MONITOR



Land Combustion Product Range:

Continuous Flue Gas Analysers,
Acid Dewpoint Meters (H_2SO_4), Flame Monitoring Systems,
Oxygen Analysers, Heat Flux Meters, Heat Transfer Sensors,
Slag Control System, SO_2NO_x and NH_3 Monitors,
Dust and Opacity Monitors, Range of CO Monitors.

LAND
Combustion
Division of Land Instruments
International Ltd.

Registered office,
Dronfield,
Sheffield S18 6DJ,
England.

Telephone: (01246) 417691
Facsimile: (01246) 290274

CLASSIFIED INDEX

ABSORPTION EQUIPMENT

Industrial Acoustics Company Ltd

ACTIVATED CARBON EQUIPMENT

ERG (Air Pollution Control) Ltd

Jones & Attwood Ltd

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BMT Fluid Mechanics Ltd

David Shillito Associates

ADSORPTION EQUIPMENT

CJB Developments Ltd

Haden Drysys Environmental

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Land Combustion

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Valentin, Dr F H H

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BMT Fluid Mechanics Ltd

CH2M Hill United Kingdom Ltd

Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences

Ltd

Cortex Environmental & Process
Consultants

Dames & Moore

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Consultants in Environmental Sciences Ltd
Cortex Environmental & Process Consultants
Dames & Moore
David Shillito Associates
Halcyon Environmental
Inspectorate Environmental
Parsons Engineering Science
Sypol Environmental Management Ltd
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Consultants in Environmental Sciences Ltd

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CONSULTANTS: PROCESS ENGINEERING

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Alderley Environmental Ltd

CONSULTANTS: RADIATION

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Cortex Environmental & Process Consultants
Dames & Moore
Inspectorate Environmental
Parsons Engineering Science
Shanks & McEwan (Northern) Ltd
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BMT Fluid Mechanics Ltd

CONSULTANTS: WATER

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CH2M Hill United Kingdom Ltd
Clayton Environmental Consultants Ltd
Consultants in Environmental Sciences Ltd
Dames & Moore
Inspectorate Environmental
Parsons Engineering Science
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Halcyon Environmental
Inspectorate Environmental
Parsons Engineering Science
Scientific Analysis Laboratories Ltd
Sypol Environmental Management Ltd
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Horiba Instruments Ltd

CONTROLLERS: pH

Horiba Instruments Ltd

CONTROLLERS: TEMPERATURE

Horiba Instruments Ltd

COOLERS: AIR OR GAS

Visco Ltd

COOLERS: WATER

Visco Ltd

COOLING TOWERS

Visco Ltd

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Lodge Sturtevant Ltd
Visco Ltd

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Weather-Data

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DETECTION & MONITORING:

SMOKE

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Consultants in Environmental Sciences Ltd
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DETECTION & MONITORING: SO₂

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Horiba Instruments Ltd
Thermo Electron Ltd

**DETECTION & MONITORING:
TOXIC GASES**

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DETECTION & MONITORING:

VOCS

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Research Engineers Ltd
Scientific Analysis Laboratories Ltd
Thermo Electron Ltd

DIOXIN SAMPLING EQUIPMENT

Graseby Andersen Ltd

DUCTING

Ferguson & Timpson Ltd

DUST COLLECTION EQUIPMENT

Ambuco Process Equipment Ltd
DCE Ltd
Denver Sala
Dustcheck Ltd
Lodge Sturtevant Ltd
United Air Specialists (UK) Ltd

DUST EXTRACTION

Denver Sala
Donaldson Torit
Dustcheck Ltd
ERG (Air Pollution Control) Ltd
United Air Specialists (UK) Ltd

**DUST MICROSCOPY/
PHOTOMICROSCOPY**

David Shillito Associates

DUST MONITORING EQUIPMENT

Anacon Corporation Ltd
 Bristol Industrial & Research Associates Ltd (BIRAL)
 Charles Austen Pumps Ltd
 Enviro Technology Services plc
 Environmental Technology Research Ltd
 Erwin Sick Optic Electronic Ltd
 Graseby Andersen Ltd
 Horiba Instruments Ltd
 Land Combustion
 Quantitech Ltd

DUST SAMPLING EQUIPMENT

Erwin Sick Optic Electronic Ltd
 Graseby Andersen Ltd
 Quantitech Ltd

EFFLUENT TREATMENT: PLANT/SYSTEM

BCRA Scientific & Technical Services Ltd
 BMT Fluid Mechanics Ltd
 Clayton Environmental Consultants Ltd
 ERG (Air Pollution Control) Ltd
 WRc alert

EFFLUENT TREATMENT: SOLUBLE OIL PLANT

BMT Fluid Mechanics Ltd

ELECTROSTATIC PRECIPITATORS

Denver Sala
 Lodge Sturtevant Ltd
 United Air Specialists (UK) Ltd

ELECTROSTATIC UNIT AIR CLEANERS

United Air Specialists (UK) Ltd

EMISSIONS DATABASE SOFTWARE

Enviro Technology Services plc

ENVIRONMENTAL ASSESSMENT

Acer Environmental
 Acoustical Investigation & Research Organisation Ltd (AIRO)
 Air Quality Consultants
 Arup Environmental
 Aspinwall & Company Ltd
 BMT Fluid Mechanics Ltd
 Clayton Environmental Consultants Ltd
 Clean Air Engineering Ltd
 Consultants in Environmental Sciences Ltd
 David Shillito Associates
 Halcyon Environmental
 White Young
 WRc alert

ENVIRONMENTAL AUDIT

Aspinwall & Company Ltd
 BMT Fluid Mechanics Ltd
 Valentin, Dr F H H

EPA CONSULTANCY SERVICES

Halcyon Environmental

ENVIRONMENTAL DATA ACQUISITION

Acsoft Ltd
 Aspinwall & Company Ltd
 BMT Fluid Mechanics Ltd
 ELE International Ltd
 Enviro Technology Services plc
 Golden River Traffic Ltd
 Horiba Instruments Ltd
 Thermo Electron Ltd

ENVIRONMENTAL DATA ANALYSIS

Aspinwall & Company Ltd
 BMT Fluid Mechanics Ltd
 Consultants in Environmental Sciences Ltd
 Enviro Technology Services plc

ENVIRONMENTAL MANAGEMENT

BMT Fluid Mechanics Ltd
David Shillito Associates

**ENVIRONMENTAL RISK
MANAGEMENT**

BMT Fluid Mechanics Ltd

**ENVIRONMENTAL TEST
CHAMBERS**

Acoustical Investigation & Research
Organisation Ltd (AIRO)

**EXPERT WITNESS - AIR
POLLUTION**

Aspen Environmental

FABRIC FILTERS

DCE Ltd
Denver Sala
Lodge Sturtevant Ltd

FANS AND BLOWERS

Halifax Fan Manufacturing Co (Int) Ltd

FILTERS: AIR

Bassaire Ltd

FILTERS: DUST

DCE Ltd
Donaldson Torit

FILTERS: OIL MIST

Donaldson Torit

FILTRATION EQUIPMENT

BMT Fluid Mechanics Ltd

FLUE DUST EXTRACTION PLANT

DCE Ltd

**FLUE GAS DUST MONITORING
DEVICE**

Anacon Corporation Ltd
Environmental Technology Research Ltd
Erwin Sick Optic Electronic Ltd
Graseby Andersen Ltd
Land Combustion

**FLUE GAS DUST SAMPLING
EQUIPMENT**

Erwin Sick Optic Electronic Ltd
Graseby Andersen Ltd

FLUE GAS TREATMENT

ERG (Air Pollution Control) Ltd

FLUIDISED BED SYSTEMS

BMT Fluid Mechanics Ltd

FUME REMOVAL EQUIPMENT

Ambuco Process Equipment Ltd
Donaldson Torit
ERG (Air Pollution Control) Ltd

GAS CLEANING PLANT

Lodge Sturtevant Ltd

GAS DETECTORS

ELE International Ltd
Quantitech Ltd
Research Engineers Ltd

GAS SCRUBBERS AND WASHERS

BMT Fluid Mechanics Ltd
Lodge Sturtevant Ltd
Parsons Engineering
Visco Ltd

GRILLES, LOUVRES, ETC

Ferguson & Timpson Ltd

HEAT TRANSFER SYSTEMS

BMT Fluid Mechanics Ltd

HUMIDIFIERS

Air Improvement Centre Ltd

INCINERATORS

BMT Fluid Mechanics Ltd
CJB Developments Ltd
Haden Drysys Environmental
Jones & Attwood Ltd

INDICATORS: pH

Horiba Instruments Ltd

INDICATORS: SMOKE DENSITY

Environmental Technology Research Ltd

**INSTRUMENTS: GAUGES,
METERS, ETC**

CEL Instruments Ltd
Integrated Photomatrix Ltd

INSULATION: ACOUSTICS

Industrial Acoustics Company Ltd

LABORATORY FUME CABINETS

Bassaire Ltd

LABORATORY INSTALLATIONS

Bassaire Ltd

LAMINAR FLOW EQUIPMENT

Bassaire Ltd

LEAK DETECTORS

CEL Instruments Ltd
Quantitech Ltd
Research Engineers Ltd

LEGAL ADVISORS

BMT Fluid Mechanics Ltd

**MEASUREMENT AND DETECTION
EQUIPMENT**

Acsoft Ltd
Environmental Technology Research Ltd
Integrated Photomatrix Ltd

**METEOROLOGICAL
INSTRUMENTS**

Bristol Industrial & Research Associates
Ltd (BIRAL)
ELE International Ltd
Enviro Technology Services plc
Weather-Data

METEOROLOGICAL STATIONS

ELE International Ltd
Weather-Data

MOBILE LABORATORIES

ELE International Ltd
Enviro Technology Services plc
Horiba Instruments Ltd
Thermo Electron Ltd

MONITORING EQUIPMENT

Bristol Industrial & Research Associates
Ltd (BIRAL)
Enviro Technology Services plc
Environmental Technology Research Ltd
Horiba Instruments Ltd
Integrated Photomatrix Ltd
Land Combustion
Research Engineers Ltd

NOISE CONTROL MATERIALS

Ferguson & Timpson Ltd

NOISE SUPPRESSION

Ferguson & Timpson Ltd
Industrial Acoustics Company Ltd

NOISE/VIBRATION: ANALYSIS

Acoustical Investigation & Research
Organisation Ltd (AIRO)
Acsoft Ltd
Aspinwall & Company Ltd
CEL Instruments Ltd
Inspectorate Environmental

NOISE/VIBRATION: CONTROL SYSTEMS

CEL Instruments Ltd
Industrial Acoustics Company Ltd

NOISE/VIBRATION: MEASURING EQUIPMENT

Acsoft Ltd
Castle Associates Ltd
CEL Instruments Ltd
Golden River Traffic Ltd
Quantitech Ltd

NOISE/VIBRATION: PROTECTIVE DEVICES

CEL Instruments Ltd

ODOUR ABSORPTION

Denver Sala
Valentin, Dr F H H

ODOUR ASSESSMENT

BMT Fluid Mechanics Ltd

ODOUR CONTROL

Alderley Environmental Ltd
Ambuco Process Equipment Ltd
BMT Fluid Mechanics Ltd
Consultants in Environmental Sciences Ltd
ERG (Air Pollution Control) Ltd
Haden Drysys Environmental
Jones & Attwood Ltd
Parsons Engineering
Valentin, Dr F H H
Weather-Data
WRc alert

ODOUR MEASUREMENT

BCRA Scientific & Technical Services Ltd

OIL IN WATER ANALYSERS

Horiba Instruments Ltd

PARTICLE SIZE ANALYSIS FACILITIES

Graseby Andersen Ltd

pH APPARATUS

Horiba Instruments Ltd

POLLUTION ACCOUNTING/AUDITING SOFTWARE

Calyx Environmental Ltd

POLLUTION CONTROL ADVISORY SERVICES

Consultants in Environmental Sciences Ltd
Inspectorate Environmental
Valentin, Dr F H H
WRc alert

POLLUTION MONITORING: EQUIPMENT HIRE

CEL Instruments Ltd
Clean Air Engineering Ltd
Enviro Technology Services plc
Quantitech Ltd
Thermo Electron Ltd

PROCESS INSTRUMENTATION

BMT Fluid Mechanics Ltd
Horiba Instruments Ltd

PUMPS

Charles Austen Pumps Ltd

RADIATION DETECTION AND MONITORING

Thermo Electron Ltd

RENTAL - AIR EMISSION ANALYSERS

Clean Air Engineering Ltd

RESEARCH AND DEVELOPMENT FACILITIES

Acoustical Investigation & Research Organisation Ltd (AIRO)
BCRA Scientific & Technical Services Ltd
BMT Fluid Mechanics Ltd

SCRUBBERS

CJB Developments Ltd
ERG (Air Pollution Control) Ltd
Parsons Engineering

SILENCERS

Industrial Acoustics Company Ltd

SITE INVESTIGATION

BCRA Scientific & Technical Services Ltd
White Young

SOFTWARE: DATA MANAGEMENT

Calyx Environmental Ltd

SOLVENT RECOVERY PLANT

CJB Developments Ltd

SPECTROMETERS

Thermo Electron Ltd

STACK EMISSIONS: MONITORING

Argus Laboratories Ltd
Aspen Environmental
BCRA Scientific & Technical Services Ltd

STACK EMISSIONS: MONITORING EQUIPMENT

Belstock Controls
BMT Fluid Mechanics Ltd
Bristol Industrial & Research Associates Ltd (BIRAL)
Enviro Technology Services plc
Environmental Technology Research Ltd
Erwin Sick Optic Electronic Ltd
Graseby Andersen Ltd

Horiba Instruments Ltd
Integrated Photomatrix Ltd
Land Combustion
Quantitech Ltd
Research Engineers Ltd
Scientific Analysis Laboratories Ltd
Thermo Electron Ltd

STACK EMISSIONS: SAMPLING SERVICES

Analytical & Environmental Services Ltd

SULPHUR DIOXIDE REMOVAL SYSTEMS

Lodge Sturtevant Ltd

SULPHUR RECOVERY PLANT

Jones & Attwood Ltd

TRAFFIC POLLUTION MONITORS

Golden River Traffic Ltd

TRAINING COURSES

BMT Fluid Mechanics Ltd
CEL Instruments Ltd

TRAINING VIDEOS

CEL Instruments Ltd

TURBIDIMETERS

Belstock Controls

UNIT DUST COLLECTORS

Donaldson Torit

VACUUM PUMPS AND EQUIPMENT

Charles Austen Pumps Ltd

VENTURI SCRUBBERS

Ambuco Process Equipment Ltd
Lodge Sturtevant Ltd

VOC ABATEMENT PLANT

Ambuco Process Equipment Ltd
BMT Fluid Mechanics Ltd
CJB Developments Ltd
Haden Drysys Environmental
Jones & Attwood Ltd
Parsons Engineering
Valentin, Dr F H H

WASTE DISPOSAL CONTRACTORS

Argus Laboratories Ltd
Shanks & McEwan (Northern) Ltd

WASTE DISPOSAL EQUIPMENT

BMT Fluid Mechanics Ltd

WASTE FUEL BOILER PLANT

BMT Fluid Mechanics Ltd

WASTE HEAT RECOVERY

BMT Fluid Mechanics Ltd

**WATER QUALITY MONITOR
PORTABLE**

Horiba Instruments Ltd

WATER TREATMENT PLANT

BMT Fluid Mechanics Ltd
ERG (Air Pollution Control) Ltd
WRc alert

WET SCRUBBERS

Denver Sala
Haden Drysys Environmental

WIND SPEED & DIRECTION

Weather-Data

nsca

1996

MEMBERS HANDBOOK

national society for clean air
and environmental protection

1996

Members Handbook

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Updated Gauss Dispersion Model
Eulerian Advection-Diffusion Grid Model
Chemical Model

TOTAL SOLUTIONS FOR AIR QUALITY
MEASUREMENT & MANAGEMENT

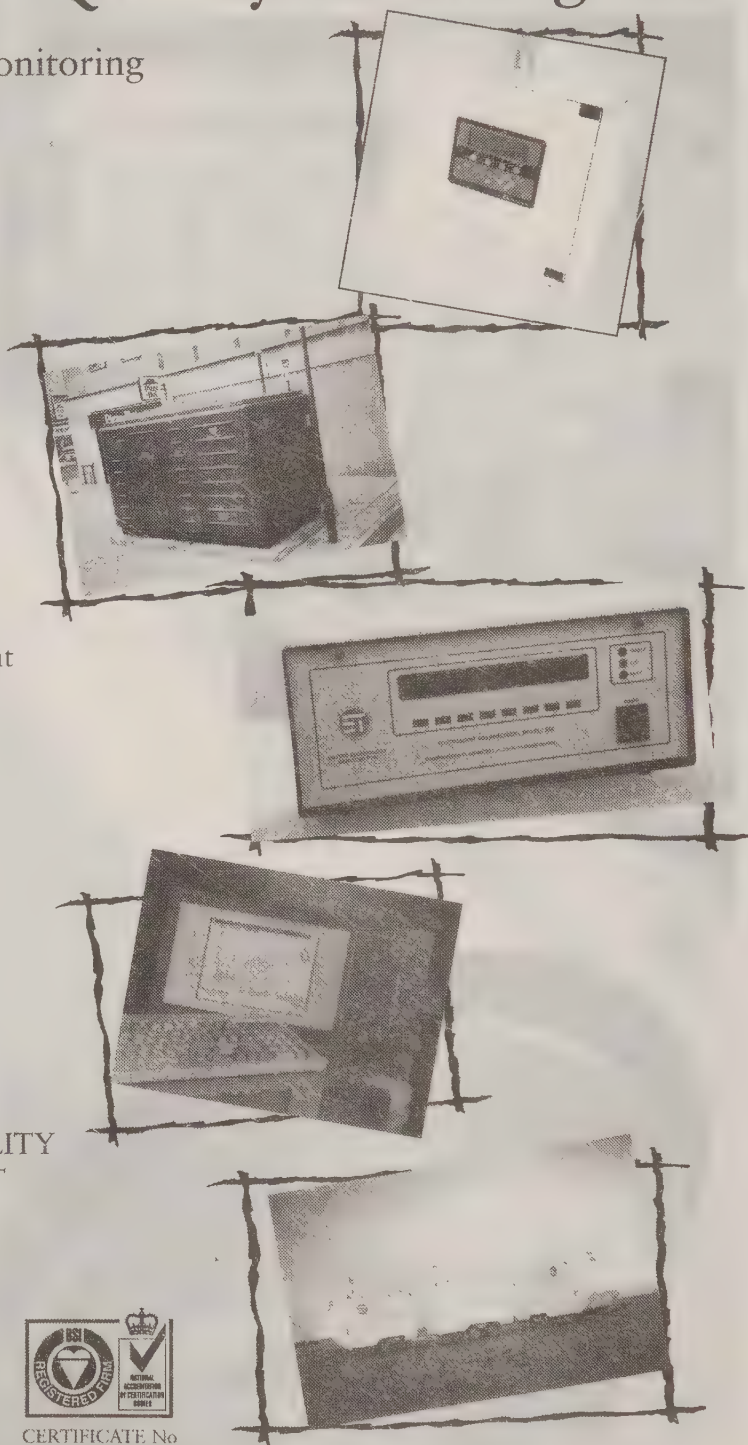


Enviro Technology
Services plc



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Tel: 01453 751641 Fax: 01453 757596 Internet: www.et.co.uk





Proposed Subscriptions

SUBSCRIPTIONS 1996 - 1997

The following information is based on the Bye-laws of the Society and shows proposed subscriptions for the period 1 April 1996 to 31 March 1997.

Local Authority Members

The annual subscription payable by a local authority is as follows:

For local authorities with a population of	
less than 100,000	£365.00
100,001 to 250,000	£440.00
250,001 to 500,000	£530.00
500,001 to 1,000,000	£710.00
For each additional 500,000 or part thereof	£75.00

Corporate Members

The annual subscription payable by a corporate member is as follows:

Small local civic societies, colleges, schools and similar organisations - £48.00
 Corporate and industrial organisations with less than 50 employees - £95.00
 Corporate and industrial organisations with 50 to 199 employees - £185.00
 Corporate and industrial organisations with 200 or more employees - £365.00
 Corporate and industrial organisations with regional, area or divisional offices - by negotiation.

Individual Members

The annual subscription payable by an individual member is £27.00. If the member is 65, or over 60 and retired from salaried employment, whichever is the earlier, individual members may become life members on payment of £54.00. Life membership is also available for those ineligible for a lower fee for £540.00.

Representatives

Under the Society's Bye-laws local authority and corporate members may appoint representatives to receive *Clean Air* and the *Members Handbook*, participate and vote at divisional and national meetings and obtain from the Society advice and information.

Local authority members may appoint not more than five representatives.

Corporate and industrial organisations may appoint representatives according to the rate of subscription: £48.00 - 1, £95.00 - 3, £185.00 - 4 and £365.00 - 5. Corporate members with regional, area or divisional offices - by negotiation.

Additional representatives may be appointed by both Local Authority and Corporate Members for an annual fee of £25.00 for each additional representative.

Membership - Special Cases

Under the Bye-laws the Council of the Society has the power to negotiate and elect to an appropriate grade of membership any application for membership after due consideration.

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NSCA STAFF

SECRETARY GENERAL – Dr. R. N. (Tom) Crossett

ADMINISTRATION

Administration Manager – Peter J. Mitchell

Committee Administration/Secretary – Wendy Ashton

Membership/Sales/Conference/Seminars – Katherine Lennon

EDITORIAL and INFORMATION

Editor – Loveday Murley

Communications Officer – Tim Brown

Information Officer – Mary Stevens

Administration – Sally May

Administration/Public Relations Officer, Scottish Division – Clare Carruthers

NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

NSCA is a non-governmental organisation and a registered charity. Its origins date back to the Coal Smoke Abatement Society founded in 1899. In the past decade the interests of the Society have expanded considerably and its work now covers all aspects of air and noise pollution as well as waste.

AIMS

NSCA aims to secure environmental improvement through the reduction of air pollution, noise and other contaminants, while having due regard for other aspects of the environment. NSCA advances the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention. The Society is funded by members' subscriptions, donations and monies raised by activities.

MEMBERSHIP

The members of NSCA are private individuals, local authorities, educational establishments, professional institutions and the fuel and other industries.

ORGANISATION

The elected Council is the Society's governing body and an administrative staff headed by the Secretary General is employed. The Society is divided into geographical divisions which organise meetings and activities at a regional level. There are five national committees of nominated members and co-opted specialists. Working groups are set up to consider specific issues as the need arises.

POLICY

The Society is recognised nationally and internationally for its balanced arguments, response to issues, integrity and promotion of public education. Policy discussion and formulation is initiated by NSCA Divisions and at the annual conference as well as within the governing Council. Policy details are evolved by the appropriate standing committee.

ACTIVITIES

NSCA makes representations to government, other authorities and agencies and industry on all matters relating to air pollution, noise, waste and other environmental issues. This includes the drafting of legislation and standards, technical matters and local and national issues. NSCA organises conferences and workshops, produces a wide range of information and educational publications and regular briefings on current issues.

INFORMATION AND PUBLICATIONS

The Society has an extensive library and its information department, which is part funded by the Department of Environment, provides a service both to members and to the public. Publications include a range of leaflets covering current issues and legislation, the annual Pollution Handbook and quarterly journal Clean Air; NSCA also publishes the papers presented at its annual conference, technical papers and occasional reports and surveys.

HONORARY OFFICERS

President

**Dame Barbara Clayton, DBE, MD, PhD,
HonDSc, FRCP, FRCPE, FRCPath**

Immediate Past President

Professor The Lord Lewis, KT, FRS

Vice-Presidents

Andrew Bennett, MP

Ken Collins, MEP

The Rt Hon The Earl of Cranbrook, DSc, DL

Wayne David, MEP

John Edmonds

Dr Caroline Jackson, MEP

Air Commodore John Langston, CBE

Sir John Mason, CB, DSc, FRS

The Rt Hon Lord Nathan, MA, FSA, FRSA, FRGS

Cllr Len Poole, BEM, JP

Sir Hugh Rossi

John Speirs

Gareth Wardell, MP

The Baroness Platt of Writtle, CBE, DL, FEng

Honorary Treasurer

Richard Hill, MA, Dip Ed, CDipAF

Chairman of Council

George W. Barrett, MSc

Deputy Chairmen

Paul A. Cooney, MSc, DMA, MCIEH

Cllr. Jack Carr

Immediate Past Chairman

Cllr Dr John R. P. Evans, ACP, MInstM, LRSC, MEd, PhD

ELECTED REPRESENTATIVES FROM NSCA DIVISIONS

SCOTLAND – 3 representatives

Cllr. Mrs. Y. Allan - Dr. O. Harrop - Mr. K. Thomas

NORTHERN IRELAND – 1 representative

Mr. M. Fleming

NORTHERN – 5 representatives

Mr. K. Atkinson - Cllr. V. Bloxsome - Mr. J. Mann - Cllr. L. Poole (1 vacancy)

NORTH WEST – 8 representatives

Mr. A. R. Bryant - Mr. K. G. Kaufman - Cllr. K. Leyden - Cllr. D. McEgan -
Mr. K. Roberts - Mr. J. B. Simpson - Mr. R. N. Turner
(1 vacancy)

YORKSHIRE AND HUMBERSIDE – 5 representatives

Cllr J. Carr - Cllr. G. Caselton - Mr. R. Crosby - Mr. F. Price -Mr. G. Rees

WEST MIDLANDS – 4 representatives

Mr. P. Adams - Mr. G. Colling - Mr. C. C. H. Fry - Cllr. S. Norman

EAST MIDLANDS – 5 representatives

Mr. A. H. Brown - Cllr. W. Dunn - Cllr. Mrs. E. J. Inglefield - Mr. N. Tranmer
- Cllr. W. K. Williams

SOUTH EAST – 12 representatives

Dr. R. Barnes - Mr. J. J. Beagle - Mr. P. Cooney - Mr. S. Hickmott -
Cllr. B. Marsh - Mr. A. Rees - Mr. J. Rice - Dr. M. Schwar - Prof. R. Scorer -
Mr. F. Smith - Mrs. B. Solkhon - Mr. G. Vulkan

SOUTH WEST – 4 representatives

Mr. K. Horton - Dr. R. Lawson - Dr. D. Laxen - Mr. H. Nowell

SOUTH AND MID WALES – 4 representatives

Cllr. Dr. J. R. P. Evans - Mr. T. Jones - Cllr. H. Thomas - Mr. R. West

APPOINTED REPRESENTATIVES OF NATIONAL BODIES

British Steel – Mr. K. F. Whitty

UK Centre for Economic and Environmental Development - Mr. D. K. Cope

Chartered Institute of Environmental Health – Mr. A. Blythe

HM Inspectorate of Pollution – Dr. J. Murlis

Institution of Gas Engineers - Dr. F. Shephard

National Power –

National Rivers Authority – Dr. C. Swinnerton

PowerGen – Mr. G. W. Barrett

The Institute of Petroleum – Mr. J. Phipps

STANDING COMMITTEES

The President, Honorary Treasurer, Chairman, Deputy Chairmen and Immediate Past Chairman are all ex-officio members of all five standing committees.

The Chairmen of the Conference & Promotions Committee, the Parliamentary & Local Government Committee, the Technical Committee and the National Noise Committee are ex-officio members of the Finance & Administration Committee.

Finance & Administration Committee

Chairman: Mr. P. Cooney (ex officio)

Deputy Chairman: Cllr. J. Carr

Mr K. Horton – Chairman, Parliamentary and Local Government Committee

Dr. K. Gregory – Chairman, Technical Committee

Mrs. B. J. Solkhon – Chairman, Conference & Promotions Committee

Mr. A. J. Rees – Chairman, National Noise Committee

Cllr. Mrs. Y. Allan – Cllr. J. Carr - Cllr. K. Leyden -

Mr. H. R. Nowell

Co-opted Member of Council – Cllr. L. Poole

Conference & Promotions Committee

Chairman: Mrs. B. J. Solkhon

Deputy Chairman: Cllr. Mrs. Y. Allan

Cllr. Mrs. Y. Allan - Cllr. V. Bloxsome - Cllr. G. Caselton -

Cllr. E. J. Inglefield - Mr. K. G. Kaufman - Cllr. D. McEgan - Cllr. S. Norman -

Cllr. L. Poole - Mr. F. J. Smith - Mrs. B. J. Solkhon - Cllr. H. I. Thomas

Co-opted - Mr. R. Kaye

Parliamentary & Local Government Committee

Chairman: Mr. K. Horton

Deputy Chairman: Mr. T. Jones

Mr. P. Adams - Mr. A. Blythe - Mr. A. H. Brown - Mr. R. Crosby - Cllr. W. Dunn

- Dr. O. Harrop - Mr. S. Hickmott - Mr. K. Horton - Mr. T. Jones - Dr. R. Lawson

- Mr. J. A. Mann - Cllr. B. Marsh - Mr. A. J. Rees - Dr. F. E. Shephard -

Mr. J. B. Simpson - Mr. R. N. Turner - Cllr. W. K. Williams

Co-opted Members of Council - Cllr. L. Poole

Co-opted - Mr. T. Hams

National Noise Committee

Chairman: Mr. A. J. Rees

Deputy Chairman: Cllr. L. Poole

Mr. K. Atkinson - Mr. J. J. Beagle - Cllr. V. Bloxsome - Mr. G. Colling -

Cllr. W. Dunn - Mr. K. Horton - Cllr. Mrs. E. J. Inglefield - Mr. K. G. Kaufman -

Dr. R. Lawson - Cllr. B. Marsh - Cllr. L. Poole - Mr. A. J. Rees - Mr. G. Rees -

Mr. K. Thomas - Mr. N. Tranmer - Mr. G. H. Vulkan

Co-opted - Mr. M. Bailey - Mr. P. T. Freeborn - Mr. C. Grimwood - Mr. J. Hinton
- Cllr. M. Jones - Mr. S. Maslivec - Mr. D. R. Romaine - Mr. P. Wilson

Technical Committee

Chairman: Dr. K. Gregory

Deputy Chairman: Dr. R. A. Barnes

Dr. R. A. Barnes - Mr. J. J. Beagle - Mr. A. R. Bryant - Mr. D. R. Cope - Mr. C. C.
H. Fry - Dr. O. Harrop - Dr. D. Laxen - Dr. J. Murlis - Mr. J. Phipps - Mr. F. Price
- Mr. J. Rice - Mr. K. Roberts - Prof. R. S. Scorer - Mr. N. Tranmer - Mr. R. West
- Mr. K. F. Whitty

Co-opted Members of Council - Mr. A. H. Brown - Cllr. L. Poole - Mr. R. N.
Turner

Co-opted - Dr. R. S. Barratt - Mr. W. A. Bell - Dr. M. Bigg - Mr. J. H. Boddy -
Mr. D. Carslaw - Prof. D. Elsom - Prof. B. Fisher - Prof. M. Fox - Dr. K. Gregory
- Prof. J. S. Harrison - Mr. M. Hawkins - Mr. B. Lees - Mr. P. W. Sage -
Mr. M. F. Tunnicliffe - Dr. A. Wadge - Mr. R. E. Waller - Mr. M. Woodfield

WHO'S WHO 1995-6

PRESIDENT, VICE-PRESIDENTS AND HONORARY OFFICERS

DAME BARBARA CLAYTON, DBE, MD, PhD, HonDSc, FRCP, FRCPE, FRCPath, President of the National Society for Clean Air and Environmental Protection, is Honorary Research Professor in Metabolism at the University of Southampton. She has been a member of the Royal Commission on Environmental Pollution from 1981-1996. She is presently Chairman of the MRC Committee on Toxic Hazards in the Workplace and Environment, the Standing Committee on Postgraduate Medical and Dental Education and the Medical and Scientific Panel Leukaemia Research Fund and Honorary President of the British Dietetic Association. She is a Past President of the Royal College of Pathologists and Association of Clinical Biochemists and Past Dean of the Faculty of Medicine at the University of Southampton.

LORD LEWIS OF NEWNHAM, Immediate Past President of the National Society for Clean Air and Environmental Protection, was Chairman of the Royal Commission on Environmental Pollution from 1986-1992. He has a long and distinguished career in science and has published over 800 papers. As Emeritus Professor of Chemistry and Warden of Robinson College, Cambridge University, he oversees research students in the School of Transition Element Chemistry. Among his many other appointments, Lord Lewis is the UK representative on the NATO Science Committee, and a member of the Board of Governors of Anglia University.

ANDREW BENNETT, MP, Vice President of the Society, is the Member for Denton and Reddish. He was educated at Birmingham University. He chairs the Select Committee on Environment, Joint Select Committee on Statutory Instruments and is Secretary of PLP Civil Liberties Group.

KEN COLLINS, MEP, Vice-President of the Society, was educated at Hamilton Academy, the University of Glasgow and Strathclyde University. He has been Labour Member of the European Parliament for Strathclyde East since 1979. He was Chairman of the European Parliament's Committee on the Environment, Public Health and Consumer Protection 1979-1984, Vice Chairman 1984-1987, and Chairman again since 1989. He was also European Parliament Socialist Spokesman on Environment, Public Health and Consumer Protection 1984-1989. Ken Collins is a Fellow of the Royal Scottish Geographical Society, Hon. Senior Research Fellow, Department of Geography, Lancaster University. He is a member of the Advisory Committee, European Public Policy Institute, University of Warwick. He is also a Director of the Institute for European Environmental Policy, London and a fellow of the Industry and Parliament Trust.

THE RT HON THE EARL OF CRANBROOK, MA, PhD, DSc(Hon), DL, Vice-President of the Society, is a graduate of the Universities of Cambridge and Birmingham. From 1956-1970, he was employed as a biologist in several posts in

SE Asia. Lord Cranbrook was appointed to the Nature Conservancy Council in 1990, and Chairman of English Nature in 1991. He was a member of the Royal Commission on Environmental Pollution 1981-92, the Natural Environment Research Council 1982-88, and in the House of Lords has been a member of the Select Committee on Science and Technology and the Environment Subcommittee, and the Select Committee on the European Communities. Since 1989, he has been a non-executive member of the Board of Anglian Water plc and Chairman of the Environmental Advisory Board of Shanks & McEwan Group plc, a member of the Broads Authority since 1988 and a member of the Harwich Haven Authority since 1989. In 1991 he was elected Chairman of the Foundation for European Environmental Policy.

WAYNE DAVID, MEP, Vice-President of the Society, was elected European Member of Parliament for South Wales in June 1989, where he was the first Vice-President of the Regional Policy Committee, and Labour's spokesperson on European Regional Policy until 1994. In June 1994 he was elected for South Wales Central, and is the Leader of the European Parliamentary Labour Party.

JOHN EDMONDS, Vice-President of the Society, is General Secretary of the GMB (formerly the General, Municipal, Boilermakers and Allied Trades Union). Educated at Christ's Hospital and Oriel College Oxford (BA 1965, MA 1968). In 1966 he became Research Assistant at the General & Municipal Workers Union; subsequently Deputy Research Officer (1967), Regional Officer (1968) and National Industrial Officer (1972-1985). He was a member of the Royal Commission on Environmental Pollution (1979-1989) and was Visiting Fellow, Nuffield College, Oxford (1986-1994); Governor, London School of Economics (1986-1995). He is a Trustee of the Institute for Policy Research, a Director of Unity Trust Bank plc, a Forestry Commissioner, member of the Council of Consumers' Association and a Trustee of the National Society for the Prevention of Cruelty to Children.

DR CAROLINE JACKSON, MEP, Vice-President of the Society, has been a Member of the European Parliament since 1984, representing Wiltshire, Newbury and Wantage (1984-1994) and the re-drawn seat of Wiltshire North and Bath since 1994. She is Conservative spokeswoman on Environment and Consumer Protection, Vice-Chair of the European Parliament's Environment and Consumer Protection Committee, and a Director of the Institute of European Environmental Policy. Dr Jackson is a former member of the National Consumer Council and of the British Committee for European Year of the Environment. Educated at St Hugh's and Nuffield College, Oxford, with a doctorate in 19th century history, she formerly worked for the European Parliament in Luxembourg and Brussels.

JOHN LANGSTON, CBE, Vice-President of the Society, served in the RAFVR and then in the Royal Air Force from 1942 until his retirement in 1979, in the rank of Air Commodore. From 1980-1991 he was Secretary General of the National Society for Clean Air and Environmental Protection. He was elected Director General of the International Union of Air Pollution Prevention and Environmental

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Protection Associations in 1986 – a position which he continues to hold. In December 1991 he was elected Chairman of the Investigation of Air Pollution Standing Conference. Appointed CBE in 1975, he is a Fellow of the British Institute of Management and the Royal Society of Arts.

SIR JOHN MASON, CB, DSc, FRS, Vice-President and a Past President of the Society, is currently Chancellor of UMIST and Senior Advisor to the Centre for Environmental Technology, Imperial College. He was Director-General of the Meteorological Office from 1965-1983. From 1983-90 he was Director of the Surface Waters Acidification Programme and has recently been Chairman of the Scientific Management Committee of the World Climate Research Programme and Chairman of the Coordinating Committee on Marine Science and Technology. He was awarded the Charles Chree medal and Prize of the Physical Society (1965), the Glazebrook Medal of the Institute (1974) and the Rumford Medal of the Royal Society (1972) for his discoveries on clouds, rain and the origin of lightning, on which he delivered the Bakerian Lecture of the Royal Society in 1971. He was awarded the Symons Memorial Gold Medal of the Royal Meteorological Society (1975). He was made a CB in 1973 and knighted in 1979. In 1991 he received the Royal Society's Royal Medal for his distinguished contributions to the science of cloud physics and other achievements in the field of meteorology.

LORD NATHAN, MA, LL.D (HON), FSA, FRSA, FRGS, Honorary Doctor of Laws (Sussex), Vice-President and a Past President of the Society, was a member of the Royal Commission on Environmental Pollution (1979-1989) and of the House of Lords Select Committee on the European Communities; he was Chairman of its Environment sub-committee (1983-1987 and 1990-1993) and of the ad hoc sub-committee on the European Company Statute; he was also Chairman of the Select Committee on Murder and Life Imprisonment (1988-1989). President of the UK Environmental Law Association 1987-1992 and has written and spoken extensively on environmental issues. He was Chairman of the Institute of Environmental Assessment to 1991 and is Chairman of the Sussex Downs Conservation Board. Lord Nathan is an Emeritus Vice President of the Royal Society of Arts (Chairman 1975-1977 and subsequently Chairman of its Environment Committee). He was Chairman of a working party on Energy and the Environment which reported in 1974. He is a retired solicitor who practised in the City from 1950, being senior partner of Herbert, Oppenheimer Nathan and Vandyk until 1986 and was Consultant to Denton Hall Burgin and Warrens to 1992. He is an Honorary Associate Member of the Association of the Bar of the City of New York and was a Director of the American Judicature Society (1992-1995). He is a Member of the House of Lords Select Committee on Science and Technology, the Law Sub-Committee, the Select Committee on the European Union and the Privilege Committee. He is a Member of the Court and Council of the University of Sussex, President of the Weald and Downland Open Air Museum at Singleton. He is Honorary Fellow of the Institute of Wastes Management.

CLLR LEN POOLE, BEM, JP, Vice-President and a Past President of the Society, represents the Northern Division of NSCA; he is Deputy Chairman of the National Noise Committee, an Honorary Member and a Past Chairman of the Society's Council. Cllr Poole has been Chairman of the Northern Division and a member of the Council since re-organisation of local government. He is a Member of South Tees Health Authority, Justice of the Peace since 1965 and Deputy Chairman of Domestic and Adult Court. Cllr Poole was responsible for persuading Middlesbrough BC to complete its Domestic Smoke Control programme by the target date of 1979. He is an Executive Member and Past President of the Federation of Burial and Cremation Authorities, Chairman of the Tidy North Consultative Committee and member of the Finance and S&P Committee, as well as President of Middlesbrough Mentally Handicapped Society and Director of the Tidy Britain Group.

SIR HUGH ROSSI, Vice-President of the Society, and a consultant in environmental law to Messrs Simmons and Simmons. He was MP for Hornsey 1966-1992 and Chairman of the House of Commons Select Committee 1983-1992. Sir Hugh is Chairman of UNA (UK) and of the Historic Chapels Trust and Vice-President of the Advisory Committee on Protection of the Seas. He is an Honorary Fellow, Kings College London and an Executive Committee Member of UNED-UK. He is also an Hon Fellow of CIWEM and IWM.

JOHN SPEIRS, Vice-President of the Society, has been Managing Director of Norsk Hydro UK Ltd since 1981. He was responsible for Norsk Hydro's innovative 1990 UK Environmental Report, which won awards from the Campaign for Freedom of Information and from the Chartered Association of Certified Accountants. He is a member of the Target Team of Business in the Environment, and Chairman of the Core Faculty for the Prince of Wales's Business and Environment Programme. He is a Vice President of the Aluminium Federation and Chairman of the Public Affairs Committee of the Chemical Industries Association.

GARETH L. WARDELL, MP, Vice-President of the Society, is a graduate of the London School of Economics and Political Science. From 1972-73 he was a Lecturer in Education at Bedford College of Physical Education and from 1973-82 Senior Lecturer in Geography at Trinity College, Carmarthen. He is a Fellow of the Royal Geographical Society and has been MP for Gower since 1982. Mr. Wardell has been Chairman of the Select Committee on Welsh Affairs since 1984. He has been appointed (August 1994) as a member of the General Medical Council.

BARONESS PLATT OF WRITTLE, CBE, DL, MA, F Eng, Vice-President of the Society and a Past President of the Society, was educated at Westcliff High School for Girls and Girton College, Cambridge, where she obtained a Mechanical Sciences Tripos in 1943. She then worked for Hawker Aircraft as a technical assistant for three years before joining the Research and Development Section of British European Airways. She has been President of the Cambridge University

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Engineers Association since 1987, was Chairman of the Equal Opportunities Commission from 1983-88, and a member of the House of Lords Select Committee on Science and Technology 1982-94. Baroness Platt has been a member of the Meteorological Office Advisory Committee since 1992, becoming Chairman in 1995. Baroness Platt was elected to Chelmsford RDC in 1959 and to Essex CC in 1965 where she was Chairman of Education for nine years and Chairman of Finance and Vice Chairman of the County Council from 1980-1983. She is Chancellor of Middlesex University. Baroness Platt received the CBE in 1978 and was created a Life Peer in 1981.

GEORGE W. BARRETT, Chairman of the Council of the Society for 1995-1996, is Environmental Adviser with PowerGen plc. Previously he was Group Head in the Environmental Section of the CEGB, where he dealt with all aspects of environmental policy and planning for power generation. He has also worked for the British Aircraft Corporation, dealing with all aspects of aircraft noise.

PAUL A. COONEY, MSc, DMA, MCIEH is Deputy Chairman of the Council of the Society and Chairman of its South East Division. He is a Principal Environmental Health Officer with the London Borough of Greenwich where he is head of a specialist unit responsible for all aspects of pollution control. He writes and lectures widely on health risks associated with air pollution and contamination, and has been involved in joint projects with European partners on exchange of knowledge and experience in a wide range of subjects.

CLLR JACK CARR is Deputy Chairman of the Council of the Society and represents the Yorkshire & Humberside Division, NSCA. A member of Rotherham MBC, he began in local government as Health Committee Chairman of Rawmarsh UDC and served as a member of the Sheffield and District Clean Air Committee 1967-73. In 1973 he became a member of the Yorkshire & Humberside Division of the Society and in the same year a member of Rotherham's Environmental Health Committee. He has also held senior posts on Rotherham's Education Committee. In 1988 he became Chairman of the Environmental Health Committee and Chairman of South Yorkshire Joint Waste Committee and Hazardous Waste Unit. He also serves on the AMA.

CLLR DR JOHN R. P. EVANS, ACP, MInstM, LRSC, MEd, PhD, is Immediate Past Chairman of Council of the Society and Vice Chairman of the South and Mid Wales Division, NSCA. A Chemistry graduate, he has worked as an industrial chemist with ICI Fibres and the British Steel Corporation. Dr Evans later taught for many years and was Head of Ebbw Vale Adult Education Centre. He is currently an independent management consultant specialising in Quality Assurance and Marketing. Dr Evans was elected a Member of Rhymney Valley DC in 1976 until 31 March 1996, and elected a Member of Caerphilly County Borough Council in 1995. He was appointed to the European Commission Committee of the Regions in November 1993.

RICHARD HILL, MA, Dip. Ed. CDipAF, Honorary Treasurer of the Society, is a biochemistry graduate, and was Deputy Head in comprehensive schools for many years. He then lectured in biology in Eastbourne. He now works as an advocate for a charity in Camden with children with special educational needs.

THE COUNCIL OF THE SOCIETY

PHILIP ADAMS, represents the West Midlands Division, NSCA and is the Manager of the Pollution and Licensing Control Division at Wolverhampton Council and has over 15 years experience in pollution control work. He is accredited by the Department of Environment and Chartered Institute of Environmental Health to undertake training in the authorisation provision of the Environmental Protection Act 1990. He is an Honorary Lecturer at Birmingham University and is a Professional Leader in the Environmental Protection module of the MSc course in Environmental Health. Mr Adams was instrumental in setting up the Wolverhampton Environmental Protection Panel which deals with the concerns of industry and shares information to ensure a common approach to environmental matters.

CLLR YVONNE ALLAN, represents the Scottish Division, NSCA, and has been a Labour councillor since 1986 serving on many committees. She is at present the Convenor of the Council's Cleansing and Environmental Development Committee and Chairperson of the Equal Opportunities Sub-Committee. She is a member of the New Unitary Authority Aberdeen City Council and is convenor of the Environmental and Consumer Protection Committee.

KEITH ATKINSON, Honorary Secretary of the Northern Division, NSCA since 1989, is Head of Environmental Health, Darlington BC. He entered local government in 1963 as a Pupil Health Officer, and worked for several local authorities after qualifying. His main interest in environmental issues are noise, air pollution and Local Agenda 21. He was involved with the Darlington Quiet Town Experiment (1976-78).

DR RON BARNES, represents the South East Division, NSCA, and is Chairman of the Society's Climate Change and Acid Rain Working Groups. He graduated from University College London in 1969 and was awarded his PhD in 1975 for research into the long range transport of atmospheric smoke and sulphur dioxide. After a period of mixed air pollution consultancy and university teaching during and after his PhD, he was appointed to the DOE's Central Unit on Environmental Pollution. He later joined ESSO Petroleum where he is responsible for providing strategic environmental planning information relevant to company operations and products. Recently Dr Barnes was responsible for developing an environmental awareness training programme for all ESSO staff and he currently chairs the UNICE Air Quality Framework Directive SO₂ Work Group. In 1979 Dr Barnes was seconded from ESSO to the United Nations to prepare a consultant's report on all aspects of the long range transport of air pollution. This report was used as the technical basis for the UN ECE Convention on Transboundary Air Pollution.

JOSEPH J. BEAGLE, BA(Hons), MCIEH, represents the South East Division, NSCA, having become Honorary Secretary on his retirement from local government in 1983. He was a Divisional EHO with the London Borough of Hammersmith & Fulham where he was responsible for noise and air pollution control matters, including investigations into lead pollution and asbestos control. Mr Beagle is a member of the Technical and National Noise Committees and the Civil Nuclear Power Working Group, and now works as an Environmental Health Consultant. He also represents the Society on the Transport Committee of the Environment Council.

CLLR VINCE BLOXSOME, represents the Northern Division, NSCA. Since 1983 he has been Labour member representing Lascelles Ward, on Darlington BC and currently serves on: Works and Health Committee (Vice-Chair); Housing Committee; Leisure Services Committee; Joint Safety Committee; and Home and Leisure Safety Forum (Chair). He represents Darlington BC on the Durham Valuation Tribunal; Durham Districts Pollution Liaison Committee; Northern Regional Home Safety Council; Darlington Community Health Council; Poor Moor Charity and the Gas Consumers Council, Northern Advisory Panel. He also serves as a school governor with three local schools.

ALAN BLYTHE, represents the Chartered Institute of Environmental Health. He has 34 years of Local Government service from which he has just taken early retirement as Director of Environmental Services at Woodspring DC. Whilst most of his career has followed an environmental health route at district council level (Morley, Leeds, the Western Isles – Scotland, and Woodspring) he enjoyed a five year specialisation in waste disposal with West Yorkshire County. He was a Chartered Institute General Councillor for five years during which time he chaired its Ionising Radiation Working Party and led its radon campaign. More latterly, he has been a technical advisor to the ADC and in this capacity has helped formulate its radon policy and led the debate on the emf health risks associated with overhead power lines. He currently chairs the Radon South West Committee.

ALLAN BROWN, an individual member, has been a co-opted member of the council of the East Midlands Division for some 15 years and ex-Chairman of the Division. He has been a co-opted member of the Technical Committee for five years. After working in various industries for 17 years (including some years in a registered Alkali Work) he joined the Alkali Inspectorate in 1959 and continued working in air pollution control with the Inspectorate under its various titles until retiring as a Superintending Inspector of H M Inspectorate of Pollution in 1990. Since retiring he has acted as a self employed consultant in the field of air pollution control and regulation.

ANTHONY R. BRYANT, represents the North West Division, NSCA and is a member of the Technical Committee. He qualified as an environmental health officer in 1971 and joined Macclesfield BC in 1974. In 1980 he was promoted to manage the Environmental Control Section and in 1982 he obtained the Institute of Acoustics Diploma in Noise and Vibration Control.

CLLR GORDON BOYCE CASELTON, represents the Yorkshire and Humberside Division, NSCA and has served on Hull City Council since 1979. He has been Chair of Transport, Deputy Chair of Planning and is at present Chair of Environmental Services. He is also Deputy Chair of Yorkshire and Humberside Pollution Advisory Council. He serves on a number of charity committees and is a member of the Court of Hull University and Chair of Hull Citizens Advice Bureau Management Committee.

GRAHAM COLLING, represents the West Midlands Division, NSCA, and is currently the Senior Environmental Health Officer at South Staffordshire DC, specialising in environmental pollution. He qualified in 1981 and has been employed by a number of authorities in the West Midlands region before concentrating on pollution in 1986. He was previously Secretary of the Midland Joint Advisory Council for Environmental Protection.

DAVID R. COPE represents the UK Centre for Economic and Environmental Development (UK CEED), an independent policy research institute, supported by UK charitable foundations, industrial and commercial interests and central government, which promotes the economic analysis of environmental issues in the UK. He is also external examiner at the Centre for Urban Planning and Environmental Management, University of Hong Kong and a visiting lecturer at Cambridge University. From 1987-89 he was a member of the CEGB's independent Environmental Development Advisory Panel. He is a member of the Packaging Standards Council and the Advisory Group to Business in the Environment. He has served on the Watt Committee on Energy's Nuclear Safety and Acidification Working Groups and the Fellowship of Engineering's Acid Emission Abatement Task Force. A Professional Associate of the Institute of Energy, he has written and lectured widely on all aspects of the economics of energy use and the environment.

ROBERT CROSBY represents the Yorkshire and Humberside Division, NSCA. He is Head of Environmental Protection Services at Rotherham MBC. He is Senior Executive to the National Pollen and Hayfever Bureau and National Executive Member of the British Aerobiology Federation. These two organisations are responsible, amongst other things, for the collection, collation and distribution of the national pollen count.

CLLR WILLIAM DUNN represents the East Midlands Division, NSCA. He is a member of the Council of the Society and of the Noise and Parliamentary and Local Government Committees. He has been a Councillor since 1969 and Chair of Environment since 1975. He has been a representative on the Derby Pollution Advisory Committee for 20 years.

MERVYN FLEMING is Honorary Secretary of the Northern Ireland Division, NSCA. He holds the post of Principal Officer (pollution control) with the Eastern Group Environmental Health Committee. He is a representative of the Northern Ireland Pollution Group and the ARCI Local Authority Liaison Group.

CHRISTOPHER C.H. FRY, BA(chem), MCIEH, DMS, FRSH, LRSC, represents the West Midlands Division, NSCA and is a member of the Parliamentary and Local Government Committee. He was appointed Chief Environmental Health Officer to Nuneaton and Bedworth BC (now Environmental Health Manager) in 1987, having worked for Coventry CC and Warwick DC. He is a member of the ADC Chief Officers Environment and Health Advisory Group and represents the ADC on the HSE Advisory Committee on Toxic Substances and the DoE Local Air Quality Management Working Group. He has a particular interest in air quality and is a visiting lecturer to De Montfort University (Leicester) for the MSc (Environmental Quality Management) specialising in this field.

DR OWEN HARROP, represents the Scottish Division, NSCA. Having completed a PhD at the Urban Pollution Research Centre at Middlesex Polytechnic in Stormwater runoff and Water Quality in Urban Catchments, Dr Harrop joined Luton College of Higher Education as a lecturer in cartography and environmental science. In 1984 he joined the Scientific Services Branch of the Greater London Council where he worked in the Pollution Monitoring Group and then the Air Pollution Group. In 1987 he joined Tottenham College of Technology as a Senior Lecturer in Environmental Health and Science (lecturing in environmental pollution monitoring and modelling). In 1989 Dr Harrop joined the Centre for Environmental Management and Planning (CEMP) as a Project Manager at the University of Aberdeen where he undertook environmental impact assessment studies. He subsequently joined Aspinwall & Company in 1991 as a Senior Environmental Scientist specialising in environmental assessment and air pollution issues. In January 1995 he became a Director in the Industry & Environmental Division of the Company. Dr Harrop has published widely in the field of environmental pollution.

SIMON HICKMOTT, represents the South East Division, NSCA. He trained as an environmental scientist, and later as a town planner. He currently leads the Environment Group at East Sussex County Council. He aims to ensure wider environmental concerns are integrated into town and country planning, and is actively involved in European environmental work through regional and local government organisations.

KEITH S. HORTON, BSc, DMS, MCIEH, MIOA represents the South West Division of the Society, and is the Environmental Protection Manager of North Somerset Unitary Authority having been Deputy Chief Environmental Health Officer with Woodspring District Council for five years. He has been actively interested in noise issues for some sixteen years particularly the areas of aircraft, traffic and neighbourhood noise. He is a tutor for the Open University and also lectures on the Diploma Course run by the Institute of Acoustics and has a wide interest in higher education.

MRS E. JANE INGLEFIELD, BA, RGN, a Past Chairman of the Council of the Society, represents the East Midlands Division, NSCA, and has been a member of the Divisional Council for the past 24 years. Mrs Inglefield currently works for Marie Curie Cancer Care as the Regional Nurse Manager of Community Nursing Services for the Mersey & North West Region. She is a former Mayor of the Borough of High Peak.

TERRY JONES, DMA, MCIEH, MInstWM, represents the South & Mid Wales Division, NSCA, and is former Chairman of the Parliamentary and Local Government Committee. He is employed by Torfaen BC as Assistant Director of Environmental Health Services and is currently responsible for the waste regulatory functions of the Authority. He is a Past Chairman of the Gwent Branch of the Chartered Institute of Environmental Health.

K.G. (GEOF) KAUFMAN, is a Past Chairman of the Council of the Society and represents the North West Division, NSCA. He is the Borough Environmental Health Officer at Tameside MBC, and has held several appointments with local authorities in the Greater Manchester area. As a member of the Manchester Area Pollution Advisory Council he is a past secretary of the Noise Working Group. He served as a member of the Government Noise Review Working Party (1990) representing NSCA, is a member of the Society's National Noise Committee and co-author of several Society publications. He presented a paper to the 9th World Clean Air Congress (Canada, 1992) and 3rd World Congress on Environmental Health (Malaysia, 1994). He has spent time in Sudan, Africa, assisting in the provision of water supplies to medical centres on behalf of the Association of Greater Manchester Councils and Save the Children Fund.

DR RICHARD LAWSON, MBBS, MRCPsych, represents the South West Division. He graduated from Westminster Medical School in 1969 and is a practising General Practitioner. He has been involved in environmental campaigning for 20 years, including the successful campaign against dumping nuclear waste at sea. In 1986 he was elected to Woodspring DC as one of the first Green Party Councillors. He was speaker for the Green Party 1991-2, and is currently Health Speaker for the Green Party. In 1994-5 he had 12 months extended leave to study the impact of Government policies on the health of the nation, the outcome of which is a book 'Bills of Health' to be published by Radcliffe Medical Press in early 1996.

DR DUNCAN LAXEN represents the South West Division, NSCA. He is a member of Technical Committee and Council. He has a PhD in air pollution chemistry and over 20 years experience as an environmental scientist. He has carried out major investigations of air pollutants and written over 50 papers. He has been responsible for Department of Environment Contracts to manage the operations of the UK Rural Air Quality Monitoring Network and to set up and operate the UK Enhanced Urban Air Quality Monitoring Network. He is a member of the Quality of Urban Air Review Group. He is Managing Director of Air Quality Consultants Ltd.

CLLR J.K. LEYDEN, JP represents the North West Division, NSCA and is a member of the Society's Finance and Administration Committee. A member of Oldham MBC, he was first elected as Councillor in 1971, and was a member of the Greater Manchester Council 1974-1978. He has been a member of Oldham Magistrates Bench since 1972, was Mayor of Oldham MBC in 1984/5 and is a Past President of the National Association of British Market Authorities. A member of Environmental Health and Control and other committees, he is Chairman of the Markets Sub-Committee and Vice-Chairman of the Home Safety and Fair Trading Advisory Sub-Committee. He is a Quality Consultant, proprietor of LM Quality Systems, Oldham.

JOHN A. MANN represents the Northern Division, NSCA. He entered local government in Hull in 1965, and worked as an environmental health officer in Yorkshire, Suffolk and the Midlands before joining Middlesbrough BC in 1984, where he became involved with the Society. A Chief Officer since 1988, he has been involved with community liaison initiatives and environmental activities. He is a board member of Middlesbrough Environment City, an accolade awarded in 1992 by the Royal Society for Nature Conservation. More recently he has been appointed a Director of Middlesbrough Closed Circuit Television Company.

BRIAN MARSH represents the South East Division, NSCA and is a Member of Council, Parliamentary and Local Government and Noise committees. He has been a Councillor since 1978, serving on various committees and a magistrate ILMC (1985-1995). He serves on the AMA Environment, Waste Management and ALA Environment committee. He is also Chair of the London Boroughs Transport committee; member of the RSPCA, RSPB and London Cycling Forum. He is director of the East London Partnership and Groundwork (Hackney). He is a school governor and trustee of various local schools and charities.

CLLR D. McEGAN represents the North West Division, NSCA. He has been a Councillor on Knowsley Borough Council for 8 years and is now Chairman of the Health Development Public Protection Committee which covers environment and trading standards.

DR JOHN MURLIS, represents HM Inspectorate of Pollution.

CLLR. STEVEN G. NORMAN, represents the West Midlands division and is its Vice Chairman. He was elected to North Warwickshire Borough Council 1983-1995 and Chairman of environmental services (1987-1995). He was elected to Lichfield District Council in 1995 and is Chairman of Environmental Services.

HOWARD NOWELL is a former Honorary Secretary of the South West Division, NSCA. He has spent the greater part of his professional career with Bath CC where he is Assistant Director in the Department of Environmental Services. From April 1996 he will be Head of Environmental and Consumer Services in the new unitary authority for Bath and North East Somerset.

JOHN PHIPPS represents the Institute of Petroleum. He is manager of the Test Method Standardization, Environment and Microbiology sections and represents the IP on many BSI committees dealing with petroleum test methods, environmental matters and air quality. He previously worked for a major oil cargo inspection company and was responsible for the company's laboratories and technical standards. He is a fellow of the Geological Society, the Zoological Society and the Institute of Petroleum.

FRANK PRICE represents the Yorkshire and Humberside Division. He is currently manager of the Environmental Protection Unit of Sheffield City Council responsible for enforcement of pollution control legislation and the planning and implementation of the City's air pollution monitoring and modelling work. He formerly directed an environmental analytical and consultancy laboratory with twelve years commercial experience in contaminated land, air pollution monitoring and modelling and environmental impact project work.

ALAN J. REES, BA, DMS, MIMgt, MCIEH, MIOA is Chairman of the National Noise Committee and a Past Chairman of the Council of the Society, and represents the South East Division, NSCA. He is Principal Environmental Health Officer for South Oxfordshire District Council.

GRAHAM REES represents the Yorkshire and Humberside Division, NSCA. He qualified in 1980, Diploma in Environmental Health from the University of Wales, Institute of Science and Technology, having trained with Merthyr Tydfil BC. He was District Environmental Health Officer with South Oxfordshire DC (1980-1985) and in 1985 moved to Kirklees. In 1987 he was promoted to Assistant Chief EHO in charge of the pollution team, and in 1993 to District Manager (East) with functional responsibility for Environmental Protection. He represents Kirklees on the Yorkshire and Humberside Air Pollution Council on the Divisional Committee, Air Sub-Committee and he currently chairs the Air Quality Monitoring Group of YAHPAC.

JOHN N. RICE, represents the South East Institute of Public Health. He qualified as an environmental health officer in 1977. After posts in Coventry and Farnborough, he returned to Sheffield in 1987 as Assistant Director of Health and Consumer Services, and Chief Environmental Health Officer. In this Office he was a member of the Yorkshire and Humberside Divisional Council. In January 1992 he left Sheffield to become the first Director of Environmental Health in the newly formed South East Institute of Public Health, based in Tunbridge Wells, Kent. SEIPH coordinates the London Air Quality Network. It also has a number of interests in researching the effects of air pollution on health.

KENNETH ROBERTS, represents the North West Division, NSCA, and has been a member representing CMB Engineering for 12 years, as a member of the Divisional Council and is now an individual member. He retired after 28 years as a mechanical engineer with CMB engineering. The last 14 years have been spent working on air pollution control projects connected with the control of emissions

of VOCs from process plants. He is now a Director of his own company Air Pollution Engineering Services (APES Ltd).

DR MICHAEL J. R. SCHWAR, represents the South East Division, NSCA. He has had over twenty years experience in the management of scientific advisory and consultancy activities. He is Chief Scientist with TBV Science. He has headed project teams involving a range of scientific disciplines and has sat on numerous Government, local government and professional committees concerned with the development of policies of a scientific nature. In recent years he has developed specialist skills in quality management and environmental quality management systems. Dr Schwar has worked abroad in the Near East and Middle East on a series of environmental protection studies. He is a physicist by training and specialist skills include environmental assessment, asbestos, risk management and air quality assessment.

PROFESSOR RICHARD S. SCORER, MA, PhD, represents the South East Division, NSCA, and serves on the Society's Technical Committee. He is an Honorary Member and was Chairman of the Council of the Society 1978-79. He is the author of numerous books on air pollution, meteorology and related subjects. He was in the Meteorological Office & RAF 1941-5 and was President of the Royal Meteorological Society 1986-88. He was appointed as Lecturer (Meteorology) at Imperial College, 1949; as Reader (Applied Mathematics) in 1957, and became Professor (Theoretical Mechanics) in 1962. He is an Honorary Member of the Royal Meteorological Society (Hon. Sec. 1956-60), Fellow of the Royal Society of Health and Fellow of the Royal Aeronautical Society. He was Founder Editor of the International Journal of Air Pollution (now Atmospheric Environment). As a member of the Clean Air Council from 1968 until its demise, he chaired its Technical Committee. He was an Alderman of London Borough of Merton (1971-78) and on the Metropolitan Water Board 1971-74. Professor Scorer was awarded the title Emeritus Professor in 1982 and is now a Senior Research Fellow in Mathematics and Environmental Technology at Imperial College. In 1991 he was made an honorary member of the Czechoslovak Meteorological Society.

FRANK E. SHEPHARD, BSc, PhD, FRIC, CChem, FRSC, CEng, FIGasE, represents British Gas plc and is a Past Chairman of the Council of the Society. He graduated from the Queen's University of Belfast in 1960 and completed a period of research into catalytic reactions of hydrocarbons before joining the Gas Council Basic Research Groups in 1963. He studied fundamental properties of catalysts until 1970, when he joined the Analytical Research Group of the Gas Council's London Research Station. After a period as Assistant Manager responsible for the Environmental Studies Group within the Analytical Division he was appointed Manager of that Division. He is now Programme Manager, Environment R&T within British Gas. He is Chairman of The Institution of Gas Engineers Environment Committee and he also chairs the International Gas Union Task Force on Gas and the Environment.

JACK B. SIMPSON has been a member of North West Divisional Council, NSCA, since 1980. He was a founder member of the Manchester Area Pollution Advisory Council in 1974 and has been Chairman of its Technical Committee since 1986. He qualified in 1961 whilst employed by Lancaster CC, and joined Failsforth UDC in 1963, becoming Chief Public Health Inspector in 1972. He is currently employed as Divisional EHO (Pollution Control/Occupational Health) by Oldham MBC.

CLLR F. JOHN SMITH, BSc represents the South East Division, NSCA, of which he is currently Deputy Chairman. Now retired, he was formerly Publicity Manager for Johnson Matthey Catalytic Systems Division, Autocatalyst Europe. He is leader of the Conservative Group of North Hertfordshire District Council. He has been a District Councillor for 35 years and served on the North Hertfordshire Health Authority, 1981-90. He is a graduate of Hull University.

MRS B.J. (LIS) SOLKHON represents the South East Division, NSCA, and is Chairman of the Society's Conference and Promotions Committee. On being elected to Brighton BC in 1979 she chose Environmental Health as her main Council Committee. She became Chairman in 1982 and has attended NSCA Conferences as a Council Delegate each year until her retirement from Brighton BC in 1993. She became a member of the South East Division in 1988 and sits as an individual member. She is a writer and broadcaster and lectures on media skills, training personnel for local authorities and commercial companies. She is a member of Sussex University Council where she is Chairman of the Careers Advisory Board. She is a member of the Institute of Journalists and of the Institute of Public Relations.

DR C. J. SWINNERTON represents the National Rivers Authority. He graduated in Civil Engineering from Swansea University and then undertook postgraduate courses concentrating on hydrology and water resources. In 1971 he joined the Great Ouse River Authority. Following the water reorganisation in 1974, Dr Swinnerton joined Wessex Water Authority where he remained until 1989. During this period, he worked for 10 years at the Head Office on resource planning and was then appointed Divisional Manager for one of the multi-functional Operations Divisions responsible for managing all water services and support functions. From July 1988 to June 1989 he was Regional General Manager of Wessex Rivers (Shadow NRA Unit) and then in June 1989 he was appointed Director of Water Management to the National Rivers Authority. As Director of Water Management, he supports the Chief Executive in the development and revision of national and strategic policies, to ensure the NRA meets its aims and objectives across all the core functions of water quality, pollution control, flood defence, water resources, fisheries, recreation, conservation, navigation and R&D.

CLLR HARRY I. THOMAS is an Honorary Member of the NSCA. He represents the South and Mid Wales Division on the Council of the Society and is a member of the Conference and Promotions Committee. He is also a member of the South and Mid Wales Divisional Council, and a past chairman of the Division.

He was elected Councillor in May 1967, and is a past Mayor of Lliw Valley BC. Cllr Thomas is Chairman of the Council's Amenities Committee, which is responsible for leisure. He represents his Council on the West Glamorgan Joint Environmental Committee, is a member of the West Wales Advisory Committee of the Sports Council of Wales, and a member of the West Glamorgan Health Authority, and the Swansea and Lliw Valley Community Health Council. He is also a director of Tourism for South Wales, a member of the South West Wales Management Group and the West Glamorgan Health Authority Joint Consultative Committee. From April 1996 he will be a member of the new unitary authority, i.e. County of Swansea.

KEVIN E. THOMAS represents the Scottish Division, NSCA, having joined in 1990. He commenced a local government career in 1967 as a sanitary inspector with Ayr CC. In 1976 he gained a BSc from Strathclyde University and joined Cunninghame DC. As Assistant Director of Environmental Health he has worked on many pollution projects. In 1980 he instigated Cunninghame's smoke control programme. He is a member of the Institute of Acoustics and contributed a chapter on noise control to the Environmental Health Reference Book, Butterworths (1988).

NIGEL R. TRANMER, represents the East Midlands Division, NSCA and works for North East Derbyshire DC as an EHO specialising in air pollution and noise. He is a member of Derbyshire Pollution Advisory Council (from 1979) and the secretary of its environmental protection sub-committee (from 1993). He has written and given papers on pollution matters, jointly organised annual NSCA East Midland Division seminars at Derby University (1993-4) and also serves as a parish councillor in the Rotherham area where he lives.

R.N. (NEIL) TURNER, DMS, MCIEH, T Eng(CEI) is Honorary Secretary of the North West Division, NSCA, and heads the Pollution/Health & Safety Unit at Knowsley MBC. Specialising in pollution control management and consultancy for the past 19 years he has continued to be a regular producer of evidence for Royal Commission reports, has been a consultee and working party member on several BATNEEC guidance documents and has had papers published nationally and internationally on pollution based topics, risk management and training. He is an examiner for the Royal Society of Health, lecturer at University College, Salford and a member of the Merseyside Pollution Group and Manchester Area Pollution Advisory Council. He represents his division on the Parliamentary and Local Government Committee and the Society on the Department of Environment's IPLA committee.

GEORGE VULKAN, BSc, FInstP, FIOA, CPhys, represents the South East Division and is also a member of the National Noise Committee. He spent much of his career with the Greater London Council, its predecessor and successors, working in the Scientific Services branch. Although specialising in noise for most of the time, he also covered other aspects of pollution and was Head of Environmental Sciences Division at the time of the abolition of the GLC. He has

published papers and lectured on noise both in Britain and abroad. Following his retirement from Rendel Science & Environment, he continued as an independent Environmental Consultant until 1995.

ROBERT F. WEST, MCIEH, MIOA, MInstWM, represents the NSCA South and Mid Wales Division, NSCA. He qualified in 1968 with a diploma in Public Health from the University of Wales, Institute of Science and Technology. He is currently employed as a Principal Environmental Health Officer responsible for Pollution Control with Cardiff CC. He is a member of the Society's Technical Committee and is also involved with other regional committees and working groups dealing with waste management, radiation and pollution related topics.

KEVIN F. WHITTY represents British Steel plc. He is currently Environmental Manager of British Steel's Teeside Works and is a member of the company's national environmental control and noise control committees. He trained as an engineer and is a Fellow of the Institution of Chemical Engineers. Apart from a number of years in the gas industry his career has been associated with energy and environment issues in the iron and steel industry. At Teeside Works he has responsibilities for air pollution control, waste management, effluent control, occupational hygiene and noise control.

CLLR W. K. WILLIAMS, MBE, represents the East Midlands Division, NSCA. He worked as an engineer, spending 20 years with British Gas in workshop management, including domestic and industrial gas measurement testing. He is a member of Gedling Borough Council serving on Environment and Health, Housing and Leisure Committees. He is a former member of Nottingham County Council and served on the Public Protection Committee. He is also a school governor.

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Dr H.A. Des Voeux

November 1943 to March 1946

Mr. Will Melland

March 1946 to September 1948

Sir George Elliston

September 1948 to September 1949

Lord Simon of Wythenshawe

September 1949 to September 1951

Dame Vera Laughton Matthews, DBE

September 1951 to October 1953

Alderman Professor F.E. Tylecote, CBE

October 1953 to October 1956

Sir Ernest Smith, CBE

October 1956 to December 1958

Dr. R. Lessing, CBE

December 1958 to March 1961

Sir Hugh Beaver, KBE

March 1961 to April 1963

The Rt. Hon. Lord Cohen of Birkenhead

April 1963 to May 1965

Dr. Albert Parker, CBE

May 1965 to May 1967

Sir Alan Wilson, FRS

May 1967 to April 1969

Sir John Charrington

April 1969 to June 1971

Sir Kenneth Hutchison, CBE, FRS

June 1971 to June 1973

Mr. Stanley E. Cohen, CBE

June 1973 to July 1975

Sir John Greenborough, KBE

July 1975 to July 1979

Professor P.J. Lawther, CBE

July 1979 to October 1981

Lord Ezra, MBE

October 1981 to October 1983

Naomi E.S. Sargent

October 1983 to October 1985

Professor Sir David Williams

October 1985 to October 1987

Councillor L. Poole, BEM, JP

October 1987 to October 1989

The Rt. Hon. Lord Nathan

October 1989 to October 1991

Sir John Mason, CB, FRS

October 1991 to October 1993

Baroness Platt of Writtle, CBE, DL, FEng

October 1993 to October 1995

Professor The Lord Lewis, KT, FRS

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January 1958 to December 1958

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December 1958 to April 1962

Mr. J. Innes

April 1962 to April 1964

Dr. J.L. Burn

April 1964 to May 1967

Mr. J. Goodfellow

May 1967 to April 1969

Mr. A.C. Saward

April 1969 to September 1971

Dr. W.C. Turner

September 1971 to July 1973

Mr. S. Cayton, MBE

July 1973 to July 1974

Mr. W. Combey

July 1974 to July 1975

Miss M. George, CBE

July 1975 to July 1976

Mr. J. Clancey, OBE, BEM

July 1976 to July 1977

Mr. P. Draper

July 1977 to July 1978

Mr. T.H. Iddison, MBE

July 1978 to July 1979

Professor R.S. Scorer

July 1979 to July 1980

Mr. H.I. Fuller

July 1980 to October 1981

Mr. A.J. Clarke

October 1981 to October 1982

Mr. H. Giblin

October 1982 to October 1983

Mr. W.B. Twyford

October 1983 to October 1984

Councillor L. Poole, BEM, JP

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October 1985 to October 1986

Mr. R.W.C. Wheatley

October 1986 to October 1987

Mr. I.W. Barker

October 1987 to October 1988

Mr. K.S. Dunn

October 1988 to October 1989

Mr. W.F. Snow

October 1989 to October 1990

Dr. F.E. Shephard

October 1990 to October 1991

Mr. A.J. Rees

October 1991 to October 1992

Councillor Mrs. E.J. Inglefield

October 1992 to October 1993

Professor J.S. Harrison

October 1993 to October 1994

Mr. K.G. Kaufman

October 1994 to October 1995

Cllr. Dr. J.R.P. Evans

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Hon. Secretary: ~~Gavin~~ MacDonald
c/o Environmental Health ~~Service~~
Department,

Glasgow City Council.
23 Montrose Street, Glasgow G1 1RN
Telephone: 0141 287 5564/5552
(Office)

Fax: 0141 287 5566 (Office)

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Angus District Council
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Clydesdale District Council
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Council
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Council
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East Kilbride District Council
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NORTHERN IRELAND DIVISION

Chairman: Alderman J. Rooney
Hon. Secretary: Mervyn Fleming
 67 Kilwarlin Road
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 Telephone: 01232 401805 (*Office*)
 Fax: 01232 401491 (*Office*)

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30 NSCA divisions

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5TF 3TD

Telephone: 01325 388552 (*Office*)

Fax: 01325 388555 (*Office*)

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Council

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45 Down Green Road

Harwood, Bolton BL2 3QD

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 University College Salford
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Yorkshire, West Yorkshire.

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Hon. Secretary: Frank Price
Environmental Protection Manager,
Sheffield City Council,
Town Hall Chambers,
1 Barkers Pool, Sheffield S1 1EN
Telephone: 01142 726444 (*Office*)
Fax: 01142 736464 (*Office*)

MEMBERSHIP LIST

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Bradford Metropolitan Borough
Council
Calderdale Borough Council
Doncaster Metropolitan Borough
Council
Great Grimsby Borough Council
Harrogate Borough Council
Hull City Council
Kirklees Metropolitan Borough
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Rotherham Metropolitan Borough
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Scunthorpe Borough Council
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Sheffield City Council
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National Power plc (SM)
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Safety Kleen UK Ltd

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Yorkshire and Humberside Pollution
Advisory Council

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Hird, B.
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Kerrell, E.
Kingham, Dr S.
Oliver, N.
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Penfold, D.
Randon D.V.
~~Saword, A.C. (LM)~~ *deed*
Scott, J.A. (LM)
~~Twyford, W.B. (HM)~~ *deed*
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Wimbles, I.E.

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Staffordshire, Warwickshire, West
Midlands

Chairman: Cllr. W.J. Hancox

Hon. Secretary: John Sweetland
Planning & Environmental Services,
Wrekin Council, Civic Offices,
PO Box 212, Telford TF3 4LB
Telephone: 01952 202558 (*Office*)
Fax: 01952 291692 (*Office*)

MEMBERSHIP LIST

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 Cannock Chase District Council
 Coventry City Council
 Dudley Metropolitan Borough
 Council
 Lichfield District Council
 Newcastle-under-Lyme Borough
 Council
 North Warwickshire Borough
 Council
 Nuneaton & Bedworth Borough
 Council
 Redditch District Council
 Rugby Borough Council
 Solihull Metropolitan Borough
 Council
 South Staffordshire District Council
 Stoke-on-Trent City Council
 Stratford-on-Avon District Council
 Tamworth Borough Council
 Walsall Metropolitan Borough
 Council
 Warwick District Council
 Wolverhampton Metropolitan
 Borough Council
 Worcester City Council
 Wrekin Council
 Wyre Forest District Council

CORPORATE MEMBERS

City Analytical Services Ltd
 HM Inspectorate of Pollution (SM)
 National Association of Chimney
 Sweeps
 National Power plc (SM)
 National Rivers Authority (SM)
 PowerGen plc (SM)
 Wolverhampton Environmental
 Protection Panel

INDIVIDUAL MEMBERS

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 Batho, A.
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 Farrington, P.D.
 French, S.
 Giess, Dr P.
 Hulme, B. (LM)
 Key, M.J.
 Leadbetter, A.
 Leafe, C.
 Mack, S.J. (LM)
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 Medlycott, L.F. (HM)
 Owen, B.J.
 Pemberton, R.
 Pocock, Dr R.L.
 Pope, D.
 Simpson, A.
 Studman, C.
 Stuffins, L.N. (LM)
 Sulway, Mrs K.J.
 Wainwright, R.
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 Wilson, Mrs K.

EAST MIDLANDS DIVISION

Cambridgeshire, Derbyshire,
 Leicestershire, Lincolnshire,
 Northamptonshire, Nottinghamshire

EASTERN DIVISION

Essex, Norfolk, Suffolk

Chairman: Mr G. Bottomley
Hon. Secretary: Dr Bill Pearce
 Environmental Health Services,
 Mansfield District Council, Civic
 Centre,
 Chesterfield Road South, Mansfield,
 Nottinghamshire NG19 7BH
 Telephone: 01623 656656 Ext: 3139
 (Office)
 Fax: 01623 420197 (Office)

MEMBERSHIP LIST
EAST MIDLANDS

LOCAL AUTHORITY MEMBERS

Amber Valley District Council
Ashfield District Council
Bassetlaw District Council
Bolsover District Council
Boston Borough Council
Broxtowe Borough Council
Cambridge City Council
Charnwood Borough Council
Chesterfield Borough Council
Corby Borough Council
Derby City Council
Derbyshire Dales District Council
Erewash Borough Council
Fenland District Council
Gedling Borough Council
High Peak Borough Council
Hinckley & Bosworth Borough
Council
Huntingdon District Council
Leicester City Council
Lincoln City Council
Mansfield District Council
Newark & Sherwood District Council
North East Derbyshire District
Council
North Kesteven District Council
North West Leicestershire District
Council
Nottingham City Council
Peterborough City Council
South Cambridgeshire District
Council
South Derbyshire District Council
South Holland District Council
South Kesteven District Council
Wellingborough Borough Council

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Services Ltd
British Gas plc - Research &
Technology
British Steel plc

De Montfort University - Flexible
Learning Systems
De Montfort University - School of
Chemistry
HM Inspectorate of Pollution (SM)
National Power plc (SM)
National Rivers Authority (SM)
Rolls Royce plc
UK Centre for Economic &
Environmental Development
University of Nottingham - Transport
Research Group

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Lane, Dr J.J. (LM)
Marsh, J.E. (HM)
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Riley, Dr R.V. (LM)
Roworth, Miss L.C.
Singh, Dr S.
Thorington, N.
Walter, H.J.
Weldon, Miss G.M. (LM)
Wheatley, R.W.C. (HM)
Wilcock, T.G.
Williams, K.
Wilson, M.

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Brentwood District Council
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Colchester Borough Council
Epping Forest District Council
Harlow District Council
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St Edmundsbury Borough Council
Thurrock Borough Council

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Centre for Environmental & Risk
Management
Ford Motor Company Ltd
National Power plc (SM)

INDIVIDUAL MEMBERS

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Ashness, Dr K.
Ball, Dr D.J.
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Dobson, P.F.
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Goodfellow, J. (HM)
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Waldron Mr & Mrs R.A. (LM)
Wright, A.

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Buckinghamshire,
East Sussex, Greater London,
Guernsey,
Hampshire, Hertfordshire, Isle of
Wight,
Jersey, Kent, Oxfordshire, Surrey,
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Chairman: Mr P. Cooney
Hon. Secretary: Joe Beagle
19 Oxgate Gardens, Brent,
London NW2 6EA
Telephone: 0181 452 0203 (*Home*)

LOCAL AUTHORITY MEMBERS

Adur District Council
Arun District Council
Barking & Dagenham, London
Borough of
Barnet, London Borough of
Basingstoke & Deane Borough
Council
Bedford Borough Council
Bexley, London Borough of
Brighton Borough Council
Bromley, London Borough of
Broxbourne Borough Council
Cherwell District Council
Crawley Borough Council
Croydon, London Borough of
Dacorum Borough Council
Dartford Borough Council
Dover District Council
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East Hertfordshire District Council
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Greenwich, London Borough of
Guildford Borough Council
Hackney, London Borough of
Harrow, London Borough of
Hastings Borough Council
Havering, London Borough of
Horsham District Council
Hounslow, London Borough of
Islington, London Borough of
Kensington & Chelsea, Royal
Borough of

36 NSCA divisions

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Borough of
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London, City of
Luton Borough Council
Mid Bedfordshire District Council
North Hertfordshire District Council
Oxford City Council
Portsmouth City Council
Reading Borough Council
Richmond upon Thames, London
Borough of
Rochester upon Medway City Council
Rother District Council
Sevenoaks District Council
Slough Borough Council
South Bedfordshire District Council
South Oxfordshire District Council
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Wandsworth, London Borough of
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Wokingham District Council
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BMT Fluid Mechanics Ltd
Born Environmental Ltd
BP Oil UK Ltd
British Airways plc
British Steel plc
Briel & Kjaer (UK) Ltd
Calor Gas Ltd
CEST
Chartered Institute of Environmental
Health, The
Consultants in Environmental
Sciences Ltd

Cory Environmental Ltd
Dow Chemical Co Ltd
Environmental Change Unit -
University of Oxford
Esso Petroleum Co Ltd
HM Inspectorate of Pollution (SM)
Hoskyns Consulting
Imperial Chemical Industries plc
Institute of Petroleum, The
Institution of Gas Engineers, The
Johnson Matthey plc-Catalytic
Systems Division
London Research Centre
London Waste Regulation Authority
Met Office, The
National Power plc (SM)
National Rivers Authority (SM)
North East Surrey College of
Technology
RAC Motoring Services
Sainsbury, J plc
School of Environmental Sciences -
University of Greenwich
Shell UK Ltd
South East Institute of Public Health
TBV Science
Tottenham College of Technology
Unilever plc
Van Tongeren International Ltd

INDIVIDUAL MEMBERS

Ades, T.R.
Allen, Dr D.
Archer, G.
Ashworth, J.
Attrell, Miss L.A.
Bairds, J.M.
Barrett, J.L.
Barrett, R.A.
Barrowcliffe, R.
Bartlam, J.N. (LM)
Beaumont, M. (HM)
Beevers, S.
Bigg, Dr M.
Boddy, J.H. (HM)
Bond, Professor G.C.

Bradley, D.	Hamilton, R.
Brennan, M.	Harvey, D.
Brown, F.	Hawkings, C.
Brown, T. (LM)	Hilton, J.G.
Bull, Dr M.A.	Hodgson, S.K.
Bussell, M.	Horne, G.L.
Butcher, D.	Horsfall, A.M.
Butler, J.W. (LM)	Hunter, C.
Carless, Ms J.A.	Hurst Hastings, D.
Carter, C.J.	Iddison, T.H. (LM)
Cassel, C.	Ireland, M.
Clark, Dr A.	Jackson, A.
Cloke, Miss J.	James, B.W. (LM)
Colehan, J.E. (LM)	Jenkins, Dr N.R.
Colville, Lt.Commander R.F. (LM)	Jenner, R.
Cooper, Dr N.S.	Jepps, S.E.
Couling, S.	Johnson, Dr C.A.
Crabbe, H.	Jones, T.H.
Craxford, Dr S.R. (LM)	Jupp, L.
Crook, M.	Kallend, Dr A.S.
Di Massimo, R.A.	Kayes, Dr P.J.
East, R.G. (LM)	Kirk, Dr P.W.W.
Elsom, Prof D.M.	Lees, B. (LM)
Fisher, B.	Lees, C.H.
Fitzgerald, N. (LM)	Logan, E.A.
Fleming, B.	Londy, C.
Forsdyke, M.R.	Martin, J.
Foulsham, R.M.	Mayall, A.
Fox, A.H.	McAllister, Dr F.E.
Frankland, R. (LM)	McCarthy, G.A.
Fuller, H.I. (LM)	McCracken, R. (LM)
Gandy, Dr G.N.	McCrae, I.S.
Garland, G.E. (LM)	Menuhin, Sir Y.
Gascoigne, J.L.	Middleton, Dr D.R.
Gibbons, K.H. (LM)	Miessler, Mrs E. (LM)
Giblin, H. (LM)	Mitton, P.
Gibson, R.	Monro, Dr J.
Goldthorpe, M.	Naylor, Mrs E.M.L. (HM)
Gonczar, A.S.	Neville, Ms N.
Grant, P.M.	Ollerenshaw, R.J.
Green, Mrs S.M.	Payne, T.M.
Gregory, Dr K.	Penfold, D.
Grimaldi, Dr K.	Peoples, S.
Hair, D.	Perks, Mrs J.
Hall, D.J.	Peverett, R. (LM)
Hamilton, P.M.	Phillips, H.

Services
Housing
North Somerset
Council

38 NSCA divisions

Pickles, A.T.
Port, W.J.
Pritchard, D.F. (LM)
Qamar, Z.
Queree, N.
Reed, L.E. (LM)
Rice, J.N.
Richardson, R.C. (LM)
Rose, Dr N.
Ross, J.
Scannell, K.
Scorer, Professor R.S. (HM)
Scotson, D.A. (LM)
Sharkey, J.M.
Sharp, D.H. (LM)
Shillito, D.
Simms, K.L.
Skea, Dr J.
Smallbone, K.
Smith, F.J. (LM)
Smith, Mrs P. (LM)
Soliman, Dr J.
Solkhon, Mrs B.J. (LM)
Southwood, M.
Street, Dr E.
Streeter, M.
Swanston, J.
Symons, D.N.
Tagg, J.R. (LM)
Tunncliffe, M.F. (LM)
Valentin, Dr F.H. (LM)
Varey, R.H.
Verdin, A.
Vincent, K.
Vulkan, G. (LM)
Wakeman, W.A.
Walder, A.N.
Wallin, S.C. (LM)
Weaver, T.J.
Wemyss, P.
Weston, M.
Willcox, Mrs M.C.T.R.
Williams, I.
Winder, F. (LM)

SOUTH WEST DIVISION

Avon, Cornwall, Devon, Dorset,
Gloucestershire, Somerset, Wiltshire.

Chairman: H. Dawson

Hon. Secretary: Peter Gendle

Environmental Health Department,

~~Woodspring District Council,~~

P.O. Box 143, Town Hall,

Weston super Mare, ~~Bristol~~ BS23
1AE

Telephone: 01934 634839 (Office)

Fax: 01934 888818 (Office)

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Avon County Council

Bath City Council

Bournemouth Borough Council

Bristol City Council

Cheltenham Borough Council

Cotswold District Council

East Dorset District Council

Exeter City Council

Forest of Dean District Council

Gloucester City Council

Mendip District Council

North Wiltshire District Council

Northavon District Council

Plymouth City Council

Poole Borough Council

South Hams District Council

South Somerset District Council

Stroud District Council

Taunton Deane Borough Council

Teignbridge District Council

Wansdyke District Council

West Dorset District Council

Weymouth & Portland Borough
Council

Woodspring District Council

CORPORATE MEMBERS

Balfour Beatty Civil Engineering Ltd

Bath Environment Centre

Bournemouth University - Students
Union
Coal Technology Development
Division
Cornwall College - Centre for
Sciences
CRE Group Ltd
Cross Manufacturing (1938) Ltd
Enviro Technology Services plc
HM Inspectorate of Pollution (SM)
J R Cooper Associates Ltd
National Power plc (SM)
National Rivers Authority (SM)
TBV Science
University of the West of England -
Faculty of Applied Sciences
Zeneca plc

INDIVIDUAL MEMBERS

Ackroyd, Dr A.J.
Bartlett, M.J.E.
Baxter, T. (LM)
Beaman, Dr A.L.
Beckwith, Dr P.
Bower, C.
Bradford, F.J. (LM)
Bray, Dr A.J.
Briggs, E.B. (LM)
Cooper, P.
Dawson, H. (HM)
Dickerson, D.S.
Edwick, B.H. (HM)
Elliott, R.
Hannabuss, G.H. (LM)
Harrison, J.S.
Hartog, M.
Holman, Dr C.
Jones, Dr C.D.
Latham, M. (LM)
Lawson, Dr R.
Laxen, Dr D.
McArthur, R.J.
Morgan, S.
Nevard, L. (LM)
Newbery, Mrs J.
Pearse, J.D.

Peliza, S.R.
Perriman, R.J.
Price, B.
Redston, R.V. (LM)
Robertson, D.S. (LM)
Robson, A.
Stafford, S.J.
Street, A.
Thomas, W.G.
Turner, D.
Vick, J.L. (LM)
Wade, Dr R.J.
Walker, M.
Wright, D.

SOUTH AND MID WALES DIVISION

Wales except Clwyd and Gwynedd

Chairman: Cllr. Dr. J.R.P. Evans

Hon. Secretary: Robert West

1 Glyn Collen, Llandradach,
Caerphilly, Mid Glamorgan CF8 33PP

Telephone: 01222 862317 (*Home*)

Telephone: 01222 824142 (*Office*)

Fax: 01222 644285 (*Office*)

MEMBERSHIP LIST

LOCAL AUTHORITY MEMBERS

Blaenau Gwent Borough Council

Cardiff City Council

Cynon Valley Borough Council

Dinefwr Borough Council

Islwyn Borough Council

Llanelli Borough Council

Lliw Valley Borough Council

Merthyr Tydfil Borough Council

Mid Glamorgan County Council

Neath Borough Council

Newport Borough Council

Port Talbot Borough Council

Preseli Pembrokeshire District
Council

40 NSCA divisions

Radnorshire District Council
Rhondda Borough Council
Rhymney Valley District Council
Swansea City Council
Taff Ely Borough Council
Torfaen Borough Council
Vale of Glamorgan Borough Council
West Glamorgan County Council

CORPORATE MEMBERS

British Steel plc
Celtic Energy
HM Inspectorate of Pollution (SM)
National Power plc (SM)
National Rivers Authority (SM)
South Glamorgan Institute of
Higher Education
Swansea Port Health Authority
Trinity College - Science Dept

INDIVIDUAL MEMBERS

Davies, G.H.
Evans, J.
Harrison, J.E.
Hogg, J.
Lloyd, R.
Thayer, J.M. (LM)
Thomas, H.I. (HM)

(HM) Honorary Members

(LM) Life Members

(SM) Sustaining Members

AS AT 08.01.96

**MEMORANDUM OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

*Adopted by Special Resolution 29 March 1974 and amended by Special
Resolutions on 5 October 1981 and 23 October 1991.*

1. The name of the company (hereinafter called “the Society”) is “The National Society for Clean Air and Environmental Protection”.
2. The registered office of the Society will be situate in England.
3. i) The object for which the Society is established is to seek the improvement of the environment by promoting clean air through the reduction of air pollution, noise and other atmospheric contaminants having regard for the implications for other aspects of the environment.
 - ii) a) To initiate, assist, promote and encourage the investigation, consideration and discussion of all forms of pollution in order to achieve its reduction or prevention, and to undertake, or support or aid the undertaking of, investigations and research relevant to the causes and effects of pollution and the means to prevent it and to publish the results of such research.
 - b) To promote public education in all matters relating to the value and importance of clean air and methods and consequences of air pollution control and forms of pollution control by arranging meetings, publications, exhibitions, the delivery of lectures and addresses, the display of pictures, cinematograph films and models and by other means.
 - c) To encourage the adoption of methods to reduce and prevent pollution.
 - d) To promote, assist, support, or oppose, as may be consistent with the objects for which the Society is established, any administrative or other measures or proposed measures affecting pollution.
 - e) To initiate, support and co-operate with others in proposals and activities calculated to assist the promotion of the Society’s objects.
 - f) To establish, and support or aid in the establishment and support of any charitable association or institutions and to subscribe or guarantee money for charitable purposes in any way connected with the Society’s purposes or calculated to further its objects.
 - g) To purchase, take on lease or in exchange, hire or otherwise acquire any real or personal property and any rights or privileges which the Society may think necessary or convenient for the promotion of its objects, and to construct, maintain and alter any building or erections necessary or convenient for the work of the Society.

- h) To sell, let, mortgage, dispose of or turn to account all or any of the property or assets of the Society as may be thought expedient with a view to the promotion of its objects.
- i) To undertake and execute any trusts which may lawfully be undertaken by the Society and may be conducive to its objects.
- j) To borrow or raise money for the purposes of the Society and subject to this Memorandum of Association on such terms and on such security as may be thought fit.
- k) To invest the moneys of the Society not immediately required for its purposes in or upon such investments, securities or property as may be thought fit, but so that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners for England and Wales shall only be invested in such securities and with such sanction (if any) as may for the time being be prescribed by law.
- l) If and when considered advisable, to take all such measures as may be necessary to convert the Society into a body specially incorporated by Royal Charter or otherwise, or to secure the creation of a new body so incorporated with the object of carrying out the purposes of the Society and continuing the work thereof.
- m) To take all such steps as will further the attainment of the above objects or any of them.

PROVIDED FIRST that, notwithstanding anything contained in the preceding paragraphs of this Clause, the objects of the Society shall be restricted to such only of the objects aforesaid as are according to the law of England exclusively charitable.

PROVIDED SECONDLY that the Society's objects shall not extend to regulation of relations between workers and employers or organisations of workers and organisations of employers.

PROVIDED THIRDLY that in case the Society shall take or hold any property subject to the jurisdiction of the Charity Commissioners for England and Wales or the Secretary of State for Education and Science, the Society shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law and as regards any such property the Council of the Society (hereinafter called "the Council") shall be chargeable for any such property that may come into their hands and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as the Council would have been if no incorporation had been effected, and the incorporation of the Society shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Secretary of

State for Education and Science over the Council but they shall as regards any such property be subject jointly and severally to such control or authority as if the Society were not incorporated. In case the Society shall take or hold any property which may be subject to any trusts, the Society shall only deal with the same in such manner as allowed by law, having regard to such trusts.

4. The income and property of the Society, whencesoever derived, shall be applied solely towards the promotion of the objects of the Society as set forth in this Memorandum of Association and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend bonus or otherwise howsoever by way of profit, to the members of the Society.

PROVIDED that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration and pension to any officer or servant of the Society in return for any services actually rendered to the Society, nor prevent the payment of interest at a rate of 6% per annum on money lent or reasonable and proper rent for premises demised or let by any member to the Society nor prevent the gratuitous distribution among, or sale at a discount to, subscribers to the funds of the Society of any books or other publications, whether published by the Society or otherwise, relating to all or any of the Society's objects above set forth; but so that no member of the Council shall be appointed to any salaried office of the Society or any office of the Society paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Society to any member of the Council, except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Society; provided that the provision last aforesaid shall not apply to any payment to any company of which a member of the Council may be a member, and in which such member shall not hold more than one hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the provisions of the Memorandum or Articles of Association of the Society for the time being in force unless the same shall have been previously submitted to and approved by the Department of Trade.
6. The fourth and fifth paragraphs of the Memorandum of Association contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of section 19(1) of the Companies Act 1948.
7. The liability of the members is limited.
8. Every Member of the Society undertakes to contribute to the assets of the Society, in the event of the same being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts

and liabilities of the Society contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required not exceeding 5s (25p).

9. If upon the winding up or dissolution of the Society there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the members of the Society, but shall be given or transferred to some other charitable institution or institutions having objects similar to the objects of the Society, and which shall prohibit the distribution of its or their income and property among its or their members to an extent at least as great as is imposed on the Society at or before the time of dissolution, and if and so far as effect cannot be given to such provision, then to some charitable object.

**ARTICLES OF ASSOCIATION
OF
THE NATIONAL SOCIETY FOR CLEAN AIR
AND ENVIRONMENTAL PROTECTION**

*Adopted by Special Resolution 29 March 1974 and amended by
Special Resolutions on 5 October 1981, 1 October 1984,
27 October 1986, 21 October 1991, 19 October 1992
and 24 October 1994*

DEFINITIONS

1. In these presents the words standing in the first column of the Table below shall bear the meaning set opposite to them respectively in the second column thereof, if not inconsistent with the subject or context:

<i>Words</i>	<i>Meaning</i>
The Act of 1948	The Companies Act, 1948.
The Act of 1967	The Companies Act, 1967.
The Acts	The Companies Act, 1948 and the Companies Act, 1967.
The Bye-Laws	The Bye-Laws of the Society from time to time in force.
These presents	These Articles of Association.
The Society	The above named Society.
The Council	The Council for the time being of the Society.
The Office	The registered office of the Society.
The Seal	The common seal of the Society.
The United Kingdom	Great Britain and Northern Ireland.

Month	Calendar month.
In writing	Written, printed or lithographed, or partly one and partly another, and other modes of representing or reproducing words in a visible form.
The Secretary General	The Secretary for the time being or any person appointed to perform the duties of Secretary of the Society, in accordance with the Acts.
Representative of a Member	A Representative of a Local Authority or Corporate Member appointed under Article 4d or e, and whose appointment has been duly notified to the Secretary General.
Delegate	A Representative of a Corporate Member having a Branch or Section situated in a Division other than that Division in which the address of the Corporate Member to represent its local interests in the particular Division in which its Branch or Section is situated.

And words importing the singular number only shall include the plural number, and vice versa. Words importing the masculine gender only shall include the feminine gender and vice versa and words importing persons shall include corporations.

Subject as aforesaid, any words or expressions defined in the Acts or any statutory modification thereof in force at the date on which these presents become binding on the Society shall, if not inconsistent with the subject or context, bear the same meanings in these presents.

MEMBERSHIP

2. The number of members with which the Society is registered is unlimited.
3. The provisions of section 110 of the Act of 1948 shall be observed by the Society and every member of the Society, other than Honorary Members, shall either make a written request to become a member (which request may be included in his application for membership made in accordance with Article 4(i) of these presents) or sign a written consent to become a member or sign the register of members on becoming a member.
4.
 - a) The members of the Society shall be the persons who are members of the Society and such other persons as the Council shall from time to time elect or recommend to the Society for election.
 - b) The Society shall consist of a President, Vice-Presidents, Secretary General, Honorary Members, Individual Members, Local Authority

Members, Corporate Members and Student Members. The Society may also have a Patron or Patrons as hereinafter mentioned.

Classes of Membership:

c) Individual Members

- i) Any individual who supports the objects of the Society shall be eligible for admission as an individual member.
- ii) On attainment of the age of 65 or retirement from salaried employment at the age of 60, whichever shall be earlier, individual members may, at the discretion of the Council, retain their membership as individual members of the Society on payment of a fixed sum as prescribed in the Bye-Laws of the Society.

d) Local Authority Members

- i) Any local authority supporting the objects of the Society shall be eligible for admission as a local authority member. A local authority member shall be entitled from time to time to appoint, and to revoke the appointment of not more than five representatives. Each of the representatives of a local authority member shall be entitled to exercise on its behalf the same rights as an individual member and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- ii) For the purpose of this Article, the designation local authority shall be deemed to include health authorities and water authorities or such other like authorities as the Council shall from time to time admit for membership.

e) Corporate Members

- i) Any Society, Institution, Company, Association, Board or Group or educational establishment being in every case an incorporated body supporting the objects of the Society shall be eligible for admission as a corporate member. A corporate member shall be entitled to appoint representatives according to subscription as set out in the Bye-Laws, and any such representatives shall be entitled to exercise on its behalf the same rights as an individual member, and (if not himself an individual member) shall, by virtue of his appointment as such representative, be eligible for election or appointment to any office of the Society or to membership of the Council.
- ii) An unincorporated body (including a firm) may not as such become a member of the Society, but if it desires to obtain the advantages of membership it may nominate representatives (determined according to subscription as aforesaid) to apply in its name for membership and exercise the rights of membership on its behalf. Every person so applying for membership shall be subject to the same rules and regulations as to admission and otherwise as any person not so nominated, and shall if admitted have the same rights and be subject to the same liabilities and incidents as any individual member except that (i) such persons shall be

liable to pay such annual subscription as is appropriate to a corporate member (ii) if his nomination is revoked by such a body he shall cease to be a member. References in these presents or in the Bye-Laws to corporate members shall as far as the context admits include reference to unincorporated bodies having nominated representative members provided always that no such body shall as such have any rights of voting or otherwise or be deemed for any purpose to be a member of the Society.

f) Sustaining Members

Any member who subscribes not less than the sum prescribed in the Bye-Laws for this class of membership shall be eligible for admission as a sustaining member.

g) Honorary Members

Individuals who have rendered outstanding service in promoting the objects of the Society shall be eligible for admission as Honorary Members and such persons, being duly admitted shall enjoy all the privileges of membership (including the right to vote) except that they shall not by virtue of their Honorary Membership alone be deemed to be members of the Society for the purpose of registering within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

h) Student Members

Any bona fide non-graduate student pursuing a course of study at school, college or university shall be eligible for admission as a student member on payment of the subscription prescribed in the Bye-Laws.

i) Application for Membership

Every person wishing to join the Society and eligible for election as a member, must apply in writing and shall deposit with such application the first annual subscription which shall be returned in the event of non-election.

j) Resignation of Members

i) Every member duly elected shall continue as such until he shall resign by notice in writing, to the Secretary General, such notice being accompanied by any monies due to the Society.

ii) The Council shall have the power to remove any member:

a) whose annual subscription has remained unpaid for two successive years, or

b) who, in the opinion of the Council has acted in a manner prejudicial to the interests and objects of the Society or has behaved in such a manner as to render his further membership detrimental to the interests of the Society, or

c) at its sole discretion without assigning any reason therefore.

Provided that in every case the member concerned shall have the opportunity to make representations defending his conduct in writing to the Council.

k) Annual Subscriptions

The Council shall make Bye-Laws from time to time to fix annual subscriptions payable by the various classes of member. The Bye-Laws shall be confirmed by the Society in General Meeting.

ANNUAL GENERAL MEETING

5. The Society shall hold a General Meeting in every calendar year as its Annual General Meeting at such time and place as may be determined by the Council, and shall specify the Meetings as such in the notices calling it, provided that every Annual General Meeting shall be held not more than fifteen months after the holding of the last preceding Annual General Meeting.

EXTRAORDINARY GENERAL MEETING

6. All General Meetings, other than Annual General Meetings, shall be called Extraordinary General Meetings.
7. The Council may whenever they think fit convene an Extraordinary General Meeting, and Extraordinary Meetings shall also be convened on such requisition, or in default may be convened by such requisitions, as provided by section 132 of the Act of 1948.

NOTICE OF MEETINGS

8. Twenty-one days' notice in writing at least of every Annual General Meeting and of every meeting convened to pass a Special Resolution, and fourteen days' notice in writing at the least of every other General Meeting (exclusive in every case both of the day on which it is served or deemed to be served and of the day for which it is given), specifying the place, the day and the hour of meeting, and in the case of business other than routine business the general nature of that business, shall be given in manner hereinafter mentioned to such persons (including the Auditors) as are under these presents or under the Act entitled to receive such notices from the Society; but with the consent of all the members having the right to attend and vote thereat, or of such proportion of them as is prescribed by the Act in the case of meetings other than Annual General Meetings, a meeting may be convened by such notice as those members may think fit.
9. The accidental omissions to give notice of a meeting to, or the non-receipt of such notice by, any person entitled to receive notice thereof shall not invalidate the proceedings at such meetings.

PROCEEDINGS AT GENERAL MEETINGS

10. Routine business shall mean and include only business transacted at an Annual General Meeting of the following classes, that is to say:
 - a) Reading and considering the accounts and balance sheet and the annual reports of the Council and the Auditors.
 - b) Appointing Auditors and fixing their remuneration.
 - c) Receiving the results of the election of the Council and other officers.
11. No business shall be transacted at any General Meeting unless a quorum is present when the meeting proceeds to business. Save as herein otherwise provided ten members or representatives of members personally present shall be a quorum.
12. If within half an hour from the time appointed for the holding of a General Meeting a quorum is not present, the meeting, if convened on the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, or at such other place as the Council may determine, and if at such adjourned meeting a quorum is not present within half an hour from the time appointed for holding the meeting the members present shall be a quorum.
13. The Chairman (if any) of the Council shall preside as Chairman at every General Meeting, but if there be no such Chairman, or if at any meeting he shall not be present within fifteen minutes after the time appointed for holding the same, or shall be unwilling to preside, the members present shall choose one of the Deputy Chairmen or some other member of the Council, or if no such member be present, or if all the members of the Council present decline to take the chair, they shall choose some member or representative of a member of the Society who shall be present to preside.
14. The Chairman may, with the consent of any meeting at which a quorum is present (and shall if so directed by the meeting) adjourn the meeting from time to time, and from place to place, but no business shall be transacted at any adjourned meeting other than business which might have been transacted at the meeting from which the adjournment took place. Whenever a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given in the same manner as of an original meeting. Save as aforesaid, the members shall not be entitled to any notice of an adjournment, or of the business to be transacted at an adjourned meeting.
15. At any General Meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless a poll is, before or upon the declaration of the result of the show of hands, demanded by the Chairman or by at least

five members or representatives of members present in person or by proxy, or by members or representatives of members present in person or by proxy and representing not less than one-tenth of the total voting rights of all the members and representatives of members having the right to vote at the meeting, and unless a poll be so demanded a declaration by the Chairman of the meeting that a resolution has been carried, or carried unanimously or by a particular majority or lost or not carried by a particular majority, and an entry to that effect in the minute book of the Society shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against that resolution. The demand for a poll may be withdrawn.

16. Subject to the provisions of Article 17, if a poll be demanded in manner aforesaid, it shall be taken at such time and place, and in such manner, as the Chairman of the meeting shall direct, and the result of the poll shall be deemed to be the resolution of the meeting at which the poll was demanded.
17. No poll shall be demanded on the election of a Chairman of a meeting or on any question of adjournment.
18. In the case of an equality of votes, whether on a show of hands or on a poll, the Chairman of the meeting shall be entitled to a second or casting vote.
19. The demand for a poll shall not prevent the continuance of a meeting for the transaction of any business other than the question on which a poll has been demanded.

VOTES OF MEMBERS

20. Subject as hereinafter provided, every member shall have one vote. A local authority member or corporate member shall have one vote for each of its representatives which shall be exercisable by such representatives in person.
21. Except in accordance with Article 4g and 29, and unless the Council otherwise determine, no member other than a member duly registered, who shall have paid every subscription and other sum (if any) which shall be due and payable to the Society, in respect of his membership, shall be entitled to vote on any question either personally through its representatives or by proxy, or as a proxy for another member at any General Meeting.
22.
 - a) Votes may be given on a poll either personally or by proxy. A proxy need not be a member.
 - b) The instrument appointing a proxy shall be in writing under the hand of the appointer, or his attorney duly authorised in writing, or if such appointer is a corporation under its common seal, if any, and if none, then under the hand of some officer duly authorised in that behalf. In the case of

a representative of a member any proxy shall be appointed by the member itself or its attorney and not by the representative.

c) The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarially certified or office copy thereof shall be deposited at the office not less than 48 hours before the time appointed for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote, or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll, and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of 12 months from the date of its execution.

d) A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or revocation of the proxy or of the authority under which the proxy was executed, provided that no intimation in writing of the death, insanity or revocation as aforesaid shall have been received at the office before the commencement of the meeting or adjourned meeting at which the proxy is used.

e) An instrument appointing a proxy shall be in the common form or in such other form as the Council may accept, and shall be deemed to confer authority to demand or join in demanding a poll.

HONORARY OFFICERS

23. The officers of the Society shall consist of a President, Honorary Treasurer, Chairman and two Deputy Chairmen of the Council, the Immediate Past Chairman of the Council and may also include a Patron or Patrons as hereinafter mentioned.

PATRON

24. The Council may accept the patronage of any person or persons and shall thereupon elect such person or persons to be the Patron or Patrons of the Society for life or for such period as the Council may determine.

PRESIDENT

25. The President shall be elected annually by the Society under the Bye-Laws. No person shall hold the office of President for more than two years in succession.

HONORARY TREASURER

26. The Honorary Treasurer shall be elected annually by the Society under the Bye-Laws. The Honorary Treasurer shall be responsible for the uninvested funds of the Society and he shall cause all necessary and proper accounts to be kept in accordance with Article 47 hereof.

VICE-PRESIDENTS

27. a) Any person may be elected by the Society as a Vice-President providing that he or she is a person of distinction in an appropriate field who is likely to promote actively the work of the Society.
- b) Vice-Presidents shall normally be elected for a term of three years and may stand for re-election.
- c) Vice-Presidents shall not exceed fifteen in number.

CHAIRMAN AND DEPUTY CHAIRMEN

28. The Chairman and Deputy Chairmen shall be elected annually by the Council from its own members at its first meeting after the Annual General Meeting.
29. The Patron or Patrons (if any) of the Society, the President of the Society, and the Vice-Presidents shall enjoy all the rights of membership (including the right to vote) during their term of office except that they shall not by virtue of their office alone be deemed to be members of the Society for the purposes of registration within the meaning of Article 3 of these presents or be entered on the register of members of the Society or be entitled to vote on a special or extraordinary resolution or be under any liability for the debts and liabilities of the Society.

THE COUNCIL

30. Subject as hereinafter provided, the members of Council shall not be less than 20 in number. The Society may, by Ordinary Resolution from time to time, increase or reduce the minimum number of members of the Council. The Council may act notwithstanding any vacancies in their body, but if the members of the Council shall be reduced in number to less than that required for a quorum for their meetings, they may act as the Council for the purpose only of summoning a general meeting of the Society.
31. The Council shall consist of the Patron or Patrons (if any), the President, the immediate Past President, the Honorary Treasurer, the immediate past Chairman, a number of divisional representatives elected as hereinafter provided; and not more than a like number of other persons consisting of representatives of National or similar organisations which are corporate members of the Society, at the invitation of the Council. No person other than a member of the Society or a representative of a member may be appointed a member of the Council. The Council may from time to time and at any time appoint any member of the Society or a representative of a member as a member of the Council either to fill a casual vacancy or by way of addition to the Council. Any member so appointed shall retain his office only until the next Annual General Meeting, but he shall be eligible for re-election or re-appointment.

The term National or similar organisation shall refer to any institution, association, society or board or other similar organisation, the activities of which extend to the whole of the United Kingdom, or to England, Scotland, Wales or Northern Ireland, and which is accepted by the Council as a National or similar organisation for the purposes of these presents.

APPOINTMENT AND RETIREMENT OF MEMBERS OF THE COUNCIL

32. a) The members and representatives of members of each Division shall elect annually from among their number representatives to be members of the Council. Divisional representatives shall be elected to the Council for a period of three years. One-third of the elected members shall retire in rotation each year; such members shall be eligible for re-election. The number of Divisional representatives to be elected by each Division shall each year be determined by the Council.
- b) A National or similar organisation shall be entitled to nominate annually one representative for membership of the Council under Article 31.
- c) The elected members of the Council shall (unless re-elected) vacate office after three years in accordance with the provisions of Article 32a.
33. The office of a member of the Council shall be vacated:
- a) if he ceases to be a member or a representative of a member of the Society;
- b) If by notice to the Society he resigns his office;
- c) If a receiving order is made against him or he makes any arrangement or composition with his creditors;
- d) If he becomes of unsound mind;
- e) If he ceases to hold office by reason of any order made under section 188 of the Act of 1948;
- f) If he is removed from office by a resolution duly passed pursuant to section 184 of the Act.
34. A member of the Council who has attained the age of seventy shall be eligible for election and the provision of subsections (1) and (2) of section 185 of the Act of 1948 shall not apply.

POWERS OF THE COUNCIL

35. The management of the Society shall be in the hands of the Council who may pay all expenses incurred in forming and registering the Society and may exercise all such powers of the Society as are not by the Act of 1948 or by these presents required to be exercised by the Society in General

Meeting, subject nevertheless to any regulations of these presents, to the provisions of the Act of 1948, and to such regulations (not inconsistent with the aforesaid regulations or provisions) as may be prescribed by the Society in General Meeting, but no regulations so made by the Society shall invalidate any prior act of the Council which would have been valid if such regulations had not been made. The general powers given by this Article shall not be limited or restricted by any special authority or power given to the Council by any other Article.

36.
 - i) The Council shall, as necessary, make and recommend the adoption, alteration and revocation of the Bye-Laws for the regulation of the Society and otherwise for the furtherance of the purposes for which the Society is established, provided that the Bye-Laws are not repugnant to the Memorandum of Association or these presents. Such recommendations of the Council shall be laid before the Society at the following Annual General Meeting or at an Extraordinary General Meeting called for that purpose for adoption, if thought fit, by Ordinary Resolution. The Bye-Laws for the time being in force shall be binding upon all members until varied or set aside as hereinafter provided. It is expressly declared that, without prejudice to the powers of the Society to adopt Bye-Laws on other matters, the following shall be deemed to be matters which (so far as not governed by, and subject always to the provisions of, these presents) may be governed by Bye-Laws within the meaning of this Article, that is to say:
 - a) As to entrance fees (if any) payable in respect of membership of the Society.
 - b) As to the annual, quarterly or other subscriptions or payments to be payable by the members of the Society.
 - c) As to the rights and privileges to be accorded to, and the qualifications, restrictions and conditions to be imposed on, members of the Society.
 - d) As to committees of members in connection with various branches of the Society's activities, and as to the appointment, removal, qualification, disqualification, duties, functions, powers and privileges of members of such committees.
 - e) As to the manner in which the election of officers and Council members shall be conducted.
 - f) As to the geographical divisions of the Society for electoral purposes, and the setting up and regulation of Divisional Councils and their membership, duties, functions and powers.
 - ii) The Council shall have power to issue Standing Orders from time to time regulating the appointment of various committees from members of the Society or otherwise as provided herein for the better administration of the business of the Council and directing the terms of reference of such

committees and the procedure governing the transaction of their business.

iii) Any Committee appointed in accordance with this Article shall have power to adopt persons to act as members of the committee whose qualifications or experience will assist the committee in its work, but the number of persons so adopted shall not exceed one-third of the membership of the committee excluding adopted members.

SECRETARY GENERAL

37. i) The Secretary General shall be appointed by the Council for such time at such remuneration and upon such conditions as they think fit, and any person so appointed may be removed by them. The provisions of section 177 and 179 of the Act of 1948 shall apply and be observed.

ii) The Secretary General shall from time to time submit financial statements at the request of the Council. It shall be his duty, under the direction of the Council, to conduct the correspondence of the Society, to attend meetings of the Council and committees thereof, to take minutes of the proceedings of such meetings, to superintend the publication of such papers as the Council may direct, engage and be responsible for all persons employed under him, and, in general, conduct the ordinary business of the Society in accordance with the Memorandum and Articles of Association.

iii) The Council may from time to time by resolution appoint an assistant or deputy Secretary General, and any person so appointed may act in place of the Secretary General if there be no Secretary General or no Secretary General capable of acting.

THE SEAL

38. The Council shall provide a Common Seal of the Society and make rules for the safe custody and use thereof, and it shall only be used by the authority of the Council previously given and in the presence of one member of the Council at least, and every such instrument shall be countersigned by the Secretary General or some other person duly authorised by the Council.

PROCEEDINGS OF THE COUNCIL

39. The Council may meet together for the dispatch of business, adjourn and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business. Unless otherwise determined, ten shall be a quorum. Questions arising at any meeting shall be decided by a majority of votes. In case of an equality of votes the Chairman shall have a second or casting vote.

40. Five members of the Council may, and on the request of five members of the Council the Secretary General shall, at any time, summon a meeting of the Council by notice served upon the several members of the Council. A

member of the Council who is absent from the United Kingdom shall not be entitled to notice of a meeting.

41. The Chairman shall be entitled to preside at all meetings of the Council at which he shall be present, but if no such Chairman be elected, or if at any meeting the Chairman be not present within five minutes after the time appointed for holding the meeting and willing to preside, the members of the Council present shall choose one of the Deputy Chairmen and failing them one other of their number to be Chairman of the Meeting.
42. A meeting of the Council at which a quorum is present shall be competent to exercise all the authorities, powers and discretions by or under the regulations of the Society for the time being vested in the Council generally.
43. The Council may delegate any of their powers to committees consisting of such member or members of the Council as they think fit, and any committee so formed shall, in the exercise of the power so delegated, conform to any regulations imposed on it by the Council. The meetings and proceedings of any such committee shall be governed by the provisions of these presents for regulating the meetings and proceedings of the Council so far as applicable and so far as the same shall not be superseded by any Bye-Laws made by the Council.
44. All acts bona fide done by any meeting of the Council or any committee of the Council, or by any person acting as a member of the Council, shall notwithstanding it be afterwards discovered that there was some defect in the appointment or continuance in office of any such member or person acting as aforesaid or that they or any of them were disqualified, be as valid as if every such person had been duly appointed or had duly continued in office and was disqualified to be a member of the Council.
45. The Council shall cause proper minutes to be made of all appointments of officers made by the Council and of the proceedings of all meetings of the Society and of the Council and of committees of the Council, and all business transacted at such meetings, and any such minutes of any meetings, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be sufficient evidence without any further proof of the facts therein stated.
46. A resolution in writing signed by a majority of the members for the time being of the Council or of any committee of the Council who are entitled to receive notice of a meeting of the Council or of such committee shall be as valid and effectual as if it had been passed at a meeting of the Council or of such committee duly convened and constituted.

ACCOUNTS

47. The Council shall cause proper books of account to be kept with respect to:
- a) all sums of money received and expended by the Society and the matters in respect of which such receipts and expenditure take place;
 - b) all sales and purchases of goods by the Society; and
 - c) the assets and liabilities of the Society.

Proper books shall not be deemed to be kept if there are not kept such books of account as are necessary to give a true and fair view of the state of affairs of the Society and to explain its transactions.

48. The books of account shall be kept at the office, or subject to section 147(3) of the Act of 1948 at such other place or places as the Council shall think fit, and shall always be open to the inspection of the members of the Council.
49. The Council may from time to time impose reasonable restrictions as to the time and manner of the inspection by the members (other than members of the Council) or by representatives of members of the accounts and books of the Society, or any of them, and subject to such restrictions the accounts and books of the Society shall be open to the inspection of such members or representatives of members at all reasonable times during business hours.
50. The Council shall from time to time in accordance with sections 148, 150 and 157 of the Act of 1948 cause to be prepared and laid before the Society in General Meeting, such income and expenditure accounts, balance sheets and group accounts (if any) and reports as are referred to in those sections. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Society in General Meeting, together with a copy of the Auditors report, shall not less than twenty-one days before the date of the meeting be sent to every member of, and holder of debentures of, the Society. Provided that this Article shall not require a copy of those documents to be sent to any person of whose address the Society is not aware or to more than one of the joint holders of any debentures.

AUDIT

51. Once at least in every year the accounts of the Society shall be examined, and the correctness of the income and expenditure account and balance sheet ascertained by one or more properly qualified Auditor or Auditors.
52. Auditors shall be appointed and their duties regulated in accordance with sections 159 to 162 of the Act of 1948, the members of the Council being treated as the Directors mentioned in those sections.

NOTICES

53. A notice may be served by the Society upon any member, either personally or by sending it through the post in a prepaid letter, addressed to such member at his registered address as appearing in the register of members.
54. Any member described in the register of members by an address not within the United Kingdom, who shall from time to time give the Society an address within the United Kingdom at which a notice may be served upon him, shall be entitled to have notices served upon him at such address, but, save as aforesaid and as provided by the Act, only those members who are described in the register of members by an address within the United Kingdom shall be entitled to receive notices from the Society.
55. Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same is put into the post, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office as a prepaid letter.

DISSOLUTION

56. Clause 9 of the Memorandum of Association of the Society relating to the winding up and dissolution of the Society shall have effect as if the provisions thereof were repeated in these Articles.

BYE-LAWS OF THE NATIONAL SOCIETY FOR CLEAN AIR AND ENVIRONMENTAL PROTECTION

Adopted by Ordinary Resolution dated 29 March 1974 and as amended on 13 October 1976, 6 July 1977, 20 July 1978, 16 July 1980, 5 October 1981, 18 October 1982, 31 October 1983, 1 October 1984, 14 October 1985, 27 October 1986, 26 October 1987, 24 October 1988, 23 October 1989, 15 October 1990, 21 October 1991, 4 October 1993, 24 October 1994 and 23 October 1995.

DEFINITIONS

1. The Definitions section of the Articles of Association of the Society shall be deemed to be incorporated in and applied to these presents.

SUBSCRIPTIONS

2. Annual subscriptions shall be as hereinafter provided. A first annual subscription shall be made on application for membership and shall continue in force until the first day of April of the following year, when it shall be renewable.

a) Individual Members

i) The annual subscription payable by an individual member shall be £27.00. On attainment of the age of 65 or over 60 and retired from salaried employment, whichever shall be the earlier, on payment of the sum of Fifty-four Pounds, individual members may, at the discretion of the Council, retain their membership of the Society in perpetuity, but always subject to the Council's right of removal.

ii) Individual members may on payment of Five Hundred and Forty Pounds become life members of the Society.

b) Local Authority Members

The annual subscription payable by a local authority shall be as follows: for local authorities with a population of:

Less than 100,000	£365.00
100,001 to 250,000	£440.00
250,001 to 500,000	£530.00
500,001 to 1,000,000	£710.00
For each additional 500,000 or part thereof	£ 75.00

c) Corporate Members

The annual subscription payable by corporate members shall be as follows:

- i) Small local civic societies, colleges, schools and similar organisations – £48.00
- ii) Corporate and industrial organisations with less than 50 employees – £95.00
- iii) Corporate and industrial organisations with 50 to 199 employees – £185.00
- iv) Corporate and industrial organisations with 200 or more employees – £365.00
- v) Corporate and industrial organisations with regional, area or divisional offices – by negotiation.

d) Sustaining Members

The annual subscription for a sustaining member shall be not less than three times the minimum subscription payable by a local authority member under Bye-Law 2(b) or three times the subscription of a corporate member under Bye-Law 2(c)(iv).

e) Membership – Special Cases

Under the Bye-Laws the Council of the Society has the power to elect any applicant for membership to an appropriate grade of membership, on such special terms as to subscription or otherwise after considering any reasons for so doing stated by such applicant the Council may think proper.

REPRESENTATIVES OF MEMBERS

3. a) Local Authority Members
Each local authority member shall be entitled to appoint not more than five representatives.
- b) Corporate Members
- i) Corporate members elected to membership under Bye-Law 2(c)(i) shall each be entitled to appoint one representative.
 - ii) Corporate members elected to membership under Bye-Law 2(c)(ii) shall each be entitled to appoint three representatives.
 - iii) Corporate members elected to membership under Bye-Law 2(c)(iii) shall each be entitled to appoint four representatives.
 - iv) Corporate members elected to membership under Bye-Law 2(c)(iv) shall each be entitled to appoint five representatives.
 - v) Corporate members elected to membership under Bye-Law 2(c)(v) shall each be entitled to appoint representatives by negotiation.

RIGHTS OF MEMBERS

4. Each individual member, local authority member and corporate member and each representative of a local authority member or corporate member, who has paid the appropriate subscription for the current year, shall have the right to:
- i) Nominate individual members and representatives as officers or members of the Council;
 - ii) Be nominated and elected as an officer or member of the Council;
 - iii) Cast one vote at elections;
 - iv) Receive notices of and attend and participate in all meetings of the Society and of the member's Division;
 - v) Move or second, and cast one vote on motions at meetings of the Society and of the member's Division;
 - vi) Receive free of charge as they are issued the Journal and Members Handbook of the Society;
 - vii) Obtain from the Society, advice and information on questions relating to pollution and its control.

DIVISIONS

5. a) For administrative and electoral purposes the Society shall be divided into geographical Divisions as follows:
- Scotland
- Northern Ireland
- Northern: Cleveland, Cumbria (in part, only – Allerdale District Council, City of Carlisle and Eden District Council), Durham, Northumberland, Tyne and Wear.
- North West: Cheshire, Clwyd, Cumbria (in part, only – Barrow-in-Furness Borough Council, Copeland District Council and South Lakeland District

Council), Greater Manchester, Gwynedd, Lancashire, Merseyside.

Yorkshire and Humberside: Humberside, North Yorkshire, South Yorkshire, West Yorkshire.

West Midlands: Hereford and Worcester, Salop, Staffordshire, Warwickshire, West Midlands.

East Midlands: Cambridgeshire, Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire.

Eastern: Essex, Norfolk, Suffolk.

South East: Bedfordshire, Berkshire, Buckinghamshire, East Sussex, Greater London, Hampshire, Hertfordshire, Isle of Wight, Kent, Oxfordshire, Surrey, West Sussex.

South West: Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire.

South and Mid Wales: Wales except for Clwyd and Gwynedd.

b) Members shall normally be considered as belonging to the Division in which their address, as entered upon the Society's records, is situated. However, members may elect to belong to another Division better suited to their needs.

c) For the purposes of carrying out activities in a Division, the members, as hereinafter defined, may elect from among themselves a Divisional Council and its Honorary Officers. A Divisional Council and its Honorary Officers, other than Secretary and auditors, shall consist only of members, representatives and delegates of members. The Constitution and activities of a Divisional Council shall be subject to the general approval of the Council which shall pay or make grants for approved expenses.

d) The members, representatives and delegates of members, as hereinafter defined, in any town or district within a Division, may, if they so desire, and with the approval of the Council and of their Divisional Council, set up a branch of the Division and elect committees and Honorary Officers. The activities of a branch shall be subject to the general approval and guidance of the Council and of the Divisional Council and the Divisional Council may pay and make grants for approved expenses.

PRESIDENT, VICE-PRESIDENTS, HONORARY MEMBERS AND HONORARY TREASURER

6.
 - a) The President and an Honorary Treasurer shall be elected annually on the recommendation of the Council by the Society at its Annual General Meeting.
 - b) Vice-Presidents shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.
 - c) Honorary Members shall be elected on the recommendation of the Council by the Society at its Annual General Meeting.

THE COUNCIL

7. a) The business of the Society shall be specified in Article 35 and shall include the direction of the policy of the Society, the work of its committees, the reception of reports from such committees, from Divisions, from Headquarters and subject groups.
- b) The Council at its first meeting after election shall elect from its own members, a Chairman, two Deputy Chairmen and the following committees:
- i) Finance and Administration
 - ii) Conference and Promotions
 - iii) Technical
 - iv) Parliamentary and Local Government
 - v) Noise
 - vi) Any other committee considered by the Council to be necessary.
- c) The Chairman of Council, the two Deputy Chairmen of Council, the Honorary Treasurer, the Chairmen of the standing committees (or Deputies in their absence) and the Immediate Past Chairman of Council shall comprise a Steering Group and will meet as required with the following terms of reference:
- To implement Council policy
 - To ensure that the programmes of the standing committees are comprehensive and appropriately interlocking
 - To formulate proposals for policy changes
 - To act on behalf of the Council in cases of urgency
 - To report to the next following meeting of Council any action taken on its behalf.
- d) There shall also be a Nominations Committee, appointed by the Council. The terms of reference of this committee shall be as set out in the Standing Orders of the Council.
- e) The procedure for the election of Chairman, Deputy Chairmen and committees, and the rules and functions of all committees, shall be decided by the Council.

ELECTIONS

8. a) President, Vice-Presidents, Honorary Members and Honorary Treasurer. Nominations for the office of President, Vice-Presidents, Honorary Members and Honorary Treasurer may be made by any member of the Society. Nominations, in writing, shall be received by the Secretary General not less than three months prior to the date of the Annual General Meeting.
- b)i) Divisional representatives (elected in accordance with Article 32(a)). Each member may nominate Divisional representatives for his own

Division provided that he does not nominate more than the total number to be appointed by that Division. Nominations shall be made to the Divisional Secretary not less than seven days before the date of the Annual General Meeting of the Division. In the event of more nominations being received than there are Divisional Representatives to be appointed, elections by ballot shall be held at the Annual General Meeting of the Division. The result of such an election is to be reported to the Secretary General of the Society not later than seven days before the date of the Society's Annual General Meeting. The names of the persons so elected shall be announced at such Annual General Meeting.

ii) No member or representative of a member shall nominate, be nominated for, or vote in any Divisional election other than that of which he is a member or representative.

c) Representatives of National or similar organisations (in accordance with Article 32(b)). Nominations from National or similar organisations shall be received by the Secretary General not less than seven days before the date of the Annual General Meeting.

d) No nomination for office shall be considered valid unless the agreement of the candidate has been previously obtained.

INTERPRETATION OF BYE-LAWS

9. The Council shall have full power to decide any question of interpretation of these Bye-Laws and any other question on which these Bye-Laws are silent, subject to the power of the Society in any subsequent general meeting to review any such decision and to make new provision in relation thereto.



AIR QUALITY MANAGEMENT

ARIC is a multidisciplinary centre of excellence for the study and resolution of atmospheric pollution issues. ARIC provides a niche service and is dedicated to providing the highest standards of research, information and consultancy in atmospheric sciences for a wide variety of user groups.

ARIC's air quality management research and consultancy services include:

- ☐ Emission Characterisation and Estimation
- ☐ Ambient Monitoring
- ☐ Air Quality Data Management
- ☐ Predictive Modelling
- ☐ Control Technology
- ☐ Local Air Quality Management
- ☐ Information Dissemination

For further information on air quality management please contact:

Dr James Longhurst, Director
Atmospheric Research and Information Centre
Department of Environmental
& Geographical Sciences
The Manchester Metropolitan University
Chester Street, Manchester M1 5GD

Tel: 0161- 247 1590 Fax: 0161- 247 6332
e-mail: aric@mmu.ac.uk



DIRECTORY OF ENVIRONMENTAL AND RELATED ORGANISATIONS

For ease of reference entries in this directory are arranged in alphabetical order with a classified index following the Directory. Brief descriptions are included of organisations whose titles are not self explanatory. Organisations are classified under the following headings:

Air Pollution
Built Environment
Consumer Issues
Countryside Conservation
Development Issues
Energy
Environmental Education
Environmental Law
Environmental Policy
Health

Industrial
Local Government
Meteorology
Noise Pollution
Pesticides
Research
Transport
Waste/Recycling
Water

National and International organisations are listed separately.

ACTION ON SMOKING AND HEALTH (ASH)

109 Gloucester Place
London W1H 4EJ
Tel: 0171 935 3519
Fax: 0171 935 3463

ADVISORY COMMITTEE ON BUSINESS AND THE ENVIRONMENT (ACBE)

Department of the Environment
2 Marsham Street (Rm C11/18)
London SW1P 3EB
Tel: 0171 276 3732

AIRPORTS POLICY CONSORTIUM

County Hall
Kingston upon Thames
Surrey KT1 2DT
Tel: 0181 541 9459
Fax: 0181 541 9447

Mission to ensure that there is an airports strategy for the UK that reconciles development and the environment in a sustainable manner.

ALKALI AND RADIOCHEMICAL INSPECTORATE

Department of the Environment for Northern Ireland
Calvert House
23 Castle Place
Belfast BT1 1FY
Tel: 01232 254754

ASBESTOS REMOVAL CONTRACTORS' ASSOCIATION

Friars House
6 Parkway
Chelmsford
Essex CM2 0NF
Tel: 01245 259744

**ASSOCIATION FOR THE
CONSERVATION OF ENERGY
(ACE)**

Westgate House
Prebend Street
London N1 8PT
Tel: 0171 359 8000
Fax: 0171 359 0863
Lobby group which carries out policy
research on energy conservation.

**ASSOCIATION FOR THE
PROTECTION OF RURAL
SCOTLAND**

Gladstone's Land
3rd floor
483 Lawnmarket
Edinburgh EH1 2NT
Tel: 0131 225 7012
Fax: 0131 225 6592
Protects and preserves for the benefit
of the public Scotland's rural scenery.

**ASSOCIATION OF BRITISH
SOLID FUEL APPLIANCES
MANUFACTURERS (ABSAM)**

Savoy Tower, 11th floor
77 Renfrew Street
Glasgow G2 3BZ
Tel: 0141 332 0826
Fax: 0141 332 5788

**ASSOCIATION OF COUNTY
COUNCILS (ACC)**

Eaton House
66A Eaton Square
London SW1W 9BH
Tel: 0171 201 1500
Fax: 0171 235 8458
The Association promotes and
protects the interests of the 47 English
and Welsh counties and local
government in general.

**ASSOCIATION OF DISTRICT
COUNCILS (ADC)**

26 Chapter Street
London SW1P 4ND
Tel: 0171 233 6868
Fax: 0171 233 6551

**ASSOCIATION OF LONDON
GOVERNMENT**

36 Old Queen Street
London SW1H 9JF
Tel: 0171 222 7799
Fax: 0171 799 2339
The ALG represents the interests of
all 33 London local authorities.

**ASSOCIATION OF
METROPOLITAN
AUTHORITIES (AMA)**

35 Great Smith Street
London SW1P 3BJ
Tel: 0171 222 8100
Fax: 0171 222 0878

**ASSOCIATION OF NOISE
CONSULTANTS**

6 Trap Road
Guilden Morden
Nr. Royston
Herts SG8 0JE
Tel: 01763 852958
Fax: 01763 853252

AUDIT COMMISSION

1 Vincent Square
London SW1P 2PN
Tel: 0171 828 1212
Fax: 0171 976 6187

**AVIATION ENVIRONMENT
FEDERATION (AEF)**

Sir John Lyon House
5 High Timber Street
London EC4V 3NS
Tel: 0171 329 8159
Fax: 0171 329 8160

**BRITISH AEROSOL
MANUFACTURERS'
ASSOCIATION**

Kings Buildings
Smith Square
London SW1P 3JJ
Tel: 0171 828 5111
Fax: 0171 824 8436
Trade association for the aerosol industry.

BRITISH GAS PLC

Rivermill House
152 Grosvenor Road
London SW1V 3JL
Tel: 0171 821 1444
Fax: 0171 821 8522

BRITISH LUNG FOUNDATION

New Garden House
Hatton Garden
London EC1N 8JR
Tel: 0171 831 5831
Fax: 0171 831 5832
A registered charity raising money to fund research into lung diseases.

**BRITISH NUCLEAR ENERGY
SOCIETY (BNES)**

1-7 Great George Street
London SW1P 3AA
Tel: 0171 222 7722
Fax: 0171 799 1325

BRITISH ROAD FEDERATION

194-202 Old Kent Road
London SE1 5TG
Tel: 0171 703 9769
Fax: 0171 701 0029
Campaigns for a safe and efficient road system in Britain.

**BRITISH STANDARDS
INSTITUTION**

389 Chiswick High Road
London W4 4AL
Tel: 0181 996 9000
Fax: 0181 996 7400

**BRITISH WIND ENERGY
ASSOCIATION (BWEA)**

26 Spring Street
Paddington
London W2 1JA
Email: bwea@gn.apc.org

**BUILDING RESEARCH
ESTABLISHMENT**

Bucknalls Lane
Garston
Watford WD2 7JR
Tel: 01923 894040
Fax: 01923 664010
Research into building and construction and the prevention and control of fire.

**CAMPAIGN FOR FREEDOM OF
INFORMATION**

~~88 Old Street~~ Suite 102, 16 Baldwin
London EC1A 9AR Gardens
Tel: 0171 253 2445 N 7RJ
Fax: 0171 608 1279 831 7477
Campaigns for greater public rights to environmental information.
admin@cfori.demon.co.uk 831 746

**CAMPAIGN FOR THE
PROTECTION FOR RURAL
WALES (CPRW)**

Ty Gwyn
31 High Street
Welshpool
Powys SY21 7YD
Tel: 01938 552525/556212
Fax: 01938 552741

**CENTRE FOR ALTERNATIVE
TECHNOLOGY (CAT)**

Machynlleth

Powys SY20 9AZ

Tel: 01654 702400

Fax: 01654 702782

Working demonstration and
information on sustainable
technologies and ways of living.

**CENTRE FOR CONSTRUCTION
ECOLOGY**

Building Services Research and
Information Association

Old Bracknell Lane West

Bracknell

Berkshire RG12 7AH

Tel: 01344 426511

Fax: 01344 487575

Interdisciplinary research team
involved in issues in the built
environment.

**CENTRE FOR EXPLOITATION
OF SCIENCE AND
TECHNOLOGY (CEST)**

5 Berners Road

Islington

London N1 0PW

Tel: 0171 354 9942

Fax: 0171 354 4301

**CHARTERED INSTITUTE OF
ENVIRONMENTAL HEALTH
(CIEH)**

Chadwick Court

15 Hatfields

London SE1 8DJ

Tel: 0171 928 6006

Fax: 0171 928 6953

Email: eh73@dial.pipex.com

Non-government organisation
dedicated to the promotion of
environmental health.

CIVIC TRUST

17 Carlton House Terrace

London SW1Y 5AW

Tel: 0171 930 0914

Promotes high standards of
environmental quality and
management in the places where
people live and work.

**CLIMATE ACTION NETWORK
(CAN)** 49 Wellington Street

~~21 Tower Street~~

London WC2H 9NS E 7BN

International information exchange
between non-governmental
organisations on climate change
issues.

**COMBINED HEAT AND POWER
ASSOCIATION**

3rd Floor, Grosvenor Gardens House

35-37 Grosvenor Gardens

London SW1W 0BS

Tel: 0171 828 4077

Fax: 0171 828 0310

Working to promote energy efficiency
and environmental improvement
through the wider use of CHP and
community heating.

**CONFEDERATION OF BRITISH
INDUSTRY (CBI)**

Centre Point

103 New Oxford Street

London WC1A 1DU

Tel: 0171 379 7400

Fax: 0171 240 0988

Email: unice-cbi@mcr1.poptel.org.uk
Environment department provides
information for member companies.

**CONSUMERS' ASSOCIATION
(CA)**

2 Marylebone Road
London NW1 4DF
Tel: 0171 830 6000
Undertakes research and comparative
testing of goods and services.

**CONVENTION OF SCOTTISH
LOCAL AUTHORITIES**

Rosebery House
9 Haymarket Terrace
Edinburgh EH12 5XZ
Tel: 0131 346 1222
Fax: 0131 346 0055
Email: carol@cosla.demon.co.uk
COSLA is the local government
organisation for Scotland.

**COUNCIL FOR
ENVIRONMENTAL EDUCATION
(CEE)**

University of Reading
London Road
Reading RG1 5AQ
Tel: 01734 756061
Fax: 01734 756264
Coordinating body for promotion of
environmental education.

**COUNCIL FOR THE
PROTECTION OF RURAL
ENGLAND (CPRE)**

Warwick House
25 Buckingham Palace Road
London SW1W 0PP
Tel: 0171 976 6433
Fax: 0171 976 6373
Working for a beautiful and living
countryside.

COUNTRYSIDE COMMISSION

John Dower House
Crescent Place
Cheltenham
Glos GL50 3RA
Tel: 01242 521381
Fax: 01242 584270
The Government's countryside/
landscape adviser, responsible for
countryside enhancement/enjoyment.

**COUNTRYSIDE COUNCIL FOR
WALES**

Plas Penrhos
Penrhos Road
Bangor
Gwynedd LL57 2LQ
Tel: 01248 370444
Fax: 01248 355782
Government advisers: assess pollution
threats/impacts on Welsh wildlife and
habitats.

CYCLIST'S TOURING CLUB

Cotterell House
69 Meadrow
Godalming
Surrey GU7 3HS
Tel: 01483 417217
Fax: 01483 426994
Promotes cycling as a means of
transport and travel.

DEPARTMENT OF HEALTH

Richmond House
79 Whitehall
London SW1A 2NS
Tel: 0171 210 3000

**DEPARTMENT OF THE
ENVIRONMENT**

Local Air and Environmental Quality
Division

Room B350

Romney House

43 Marsham Street

London SW1P 3PY

Tel: 0171 276 3000

Fax: 0171 276 8299

Email: ay04@dial.pipex.com

Policy on ambient air quality, trans-
boundary air pollution, environmental
noise and statutory nuisance.

**DEPARTMENT OF THE
ENVIRONMENT NORTHERN
IRELAND**

Clarence Court

10/18 Adelaide Street

Belfast BT2 8GB

Tel: 01232 540540

Fax: 01232 540020

**DEPARTMENT OF TRADE &
INDUSTRY (DTI)**

1 Victoria Street

London SW1H 0ET

Tel: 0171 215 5000

DTI Environmental Helpline Tel:
0800 585794

Aims to help UK business compete
successfully at home, and throughout
the world.

**DEPARTMENT OF TRANSPORT
(DOT)**

Great Minster House

76 Marsham Street

London SW1P 4DR

Tel: 0171 271 5000

DISTRICT AUDIT

First Floor

1 Vincent Square

London SW1P 2PN

Tel: 0171 828 1212

Fax: 0171 630 5668

Auditors of Local Government and
Health in England and Wales.

**ENERGY EFFICIENCY OFFICE
(see ENVIRONMENTAL AND
ENERGY MANAGEMENT
DIRECTORATE)**

ENERGY SAVINGS TRUST LTD

11/12 Buckingham Gate

London SW1E 6LB

Tel: 0171 931 8401

Trust's objective is the efficient use of
all forms of energy in the UK.

**ETSU (ENERGY TECHNOLOGY
SUPPORT UNIT)**

Harwell

Didcot

Oxon OX11 0RA

Tel: 01235 433517

Fax: 01235 432144

Email: etsu.business@aeat.co.uk.

Energy and environmental consulting
to public and private sectors
worldwide.

ENGLISH NATURE

Northminster House

Peterborough PE1 1UA

Tel: 01733 340345

Fax: 01733 68834

Government body promoting nature
conservation.

ADDITIONAL INFORMATION

MEMBERS HANDBOOK

1996

nscA

136 North Street
Brighton BN1 1RG

Tel: 01273 326313

Fax: 01273 735802

Email: cleanair@mistral.co.uk

http://www.environmentagency.gov.uk

ENVIRONMENT AGENCY

Head Office

~~Rivers~~ House

Rio House

Waterside Drive

Aztec West

Almondsbury

Bristol BS12 4UD

Tel: 01454 624400

Fax: 01454 624409

Emergency

Hotline: 0800 807060

Regional Offices

Anglian

Kingfisher House

Goldhay Way

Orton Goldhay

Peterborough PE2 5ZR

Tel: 01733 371811

Fax: 01733 231840

North East

Rivers House

21 Park Square South

Leeds LS1 2QG

Tel: 0113 244 0191

Fax: 0113 246 1889

North West

Richard Fairclough House

Knutsford Road

Warrington WA4 1HG

Tel: 01925 653999

Fax: 01925 415961

Midlands

Sapphire East

550 Streetsbrook Road

Solihull B91 1QT

Tel: 0121 711 2324

Fax: 0121 711 5824

Southern

Guildbourne House

Chatsworth Road

Worthing

West Sussex BN11 1LD

Tel: 01903 820692

Fax: 01903 821832

South West

Manley House

Kestrel Way

Exeter EX2 7LQ

Tel: 01392 444000

Fax: 01392 444238

Thames

Kings Meadow House

Kings Meadow Road

Reading RG1 8DQ

Tel: 01734 535000

Fax: 01734 500388

Welsh

Rivers House/Plas-yr-Afon

St Mellons Business Park

St Mellons

Cardiff CF3 0LT

Tel: 01222 770088

Fax: 01222 798555

/...

SCOTTISH ENVIRONMENT PROTECTION AGENCY (SEPA)

Head Office

Erskine Court
The Castle Business Park
Stirling FK9 4TR
Tel: 01786 457700
Fax: 01786 446885

Regional Offices

Northern

Graesser House
Fodderty Way
Dingwall Business Park
Dingwall
Ross-shire IV15 9XB
Tel: 01349 862021
Fax: 01349 861920

Western

Rivers House
Murray Road
East Kilbride G75 0LA
Tel: 013552 38181
Fax: 013552 64323

Eastern

Clearwater House
Heriot Watt Research Park
Riccarton
Edinburgh EH14 4AP
Tel: 0131 449 7296
Fax: 0131 449 7277

ENVIRONMENT AGENCY

Room N3/04A, 2 Marsham Street
London SW1P 3EB

A new non-departmental public body which will be responsible from 1 April 1996 for protecting and improving the land, air and water environment of England and Wales.

ENVIRONMENT COUNCIL, THE

21 Elizabeth Street
London SW1W 9RP

Tel: 0171 824 8411

Fax: 0171 730 9941

Protecting Britain's environment through building awareness, dialogue, understanding and effective action.

ENVIRONMENTAL AND ENERGY MANAGEMENT DIRECTORATE (EEMD)

(formerly Energy Efficiency Office)
Room C9/19

2 Marsham Street
London SW1P 3EB

Tel: 0171 276 6200

ENVIRONMENTAL LAW FOUNDATION

Lincoln's Inn House
42 Kingsway

London WC2B 6EX

Tel: 0171 404 1030

Fax: 0171 404 1032

Offers community groups and voluntary organisations with environmental problems free initial consultation with legal and technical experts through UK network of members.

environment.council@ukonline.co.uk

ENVIRONMENTAL SERVICES ASSOCIATION (ESA)

(formerly NAWDC)

~~Mountbatten House~~

~~6-20 Elizabeth Street~~

London SW1W 9RP *154 Buckingham Palace Road*

Tel: 0171 824 8882

Fax: 0171 824 8753

Represents companies providing waste management and related environmental services.

ENVIRONMENTAL TRANSPORT ASSOCIATION (ETA)

Old Post House

Heath Road

Weybridge

Surrey KT13 8RS

Tel: 01932 828882

The Roadrescue/Breakdown Service that campaigns for greener transport.

FILTRATION SOCIETY

48 Springfield Road

Horsham

West Sussex RH12 2PD

Tel: 01403 259419

Fax: 01403 265005

Charity established in 1964 to advance knowledge in filtration technology.

FORESTRY COMMISSION

231 Corstophine Road

Edinburgh EH12 7AT

Tel: 0131 334 0303

Fax: 0131 334 3047

The Government department promoting multiple-purpose management in the UK's woodlands.

**FOUNDATION FOR
INTERNATIONAL
ENVIRONMENTAL LAW &
DEVELOPMENT (FIELD)**

46/47 Russell Square

London WC1B 4JP

Tel: 0171 637 7950

Fax: 0171 637 7951

Email: field@gn.apc.org

Information and EC legal advice, and assistance with research, publications and teaching.

FRIENDS OF THE EARTH

26-28 Underwood Street

London N1 7JQ

Tel: 0171 490 1555

Fax: 0171 490 0881

Campaigns on a range of local and national environmental issues.

**FRIENDS OF THE EARTH
SCOTLAND**

72 Newhaven Road

Edinburgh EH6 5QG

Tel: 0131 554 9977

Fax: 0131 554 8656

FUEL INDUSTRY ASSOCIATION

Century House

100 High Street

Banstead

Surrey SM7 2NN

Tel: 01737 370077

Brings together British Gas, Electricity Association, OFTEC, Solid Fuel Association and the LP Gas Association to consider regulations and other matters on a joint basis.

GAMBICA

Westminster Tower

3 Albert Embankment

London SE1 7SW

Tel: 0171 793 3050

Fax: 0171 793 7635

The association for the instrumentation, control and automation industry in the UK.

GREEN ALLIANCE

49 Wellington Street

London WC2E 7BN

Tel: 0171 836 0341

Fax: 0171 240 9205

Email: gralliance@gn.apc.org

Works for a better environment by ensuring that the environment is a prime consideration in all decision making.

GREENPEACE LTD

Canonbury Villas

London N1 2PN

Tel: 0171 354 5100

Fax: 0171 696 0012

Email: jackie@greenpeace.org.uk

**HEALTH AND SAFETY
COMMISSION (HSC)**

Rose Court

2 Southwark Bridge

London SE1 9HS

Tel: 0171 717 6000

Promotes the protection of people at work and the public from industrial hazards.

**HEALTH AND SAFETY
EXECUTIVE (HSE)**

Rose Court
2 Southwark Bridge
London SE1 9HS
Tel: 0171 717 6000
Public enquiry point: 01142 892345
Enforcement of health and safety law
in industrial premises.

**HEALTH EDUCATION
AUTHORITY**

Hamilton House
Mabledon Place
London WC1H 9TX
Tel: 0171 383 3833
Fax: 0171 387 0550

**HEATING AND VENTILATING
CONTRACTORS ASSOCIATION
(HVCA)**

ESCA House
34 Palace Court
Bayswater
London W2 4JG
Tel: 0171 229 2488
Fax: 0171 727 9268

**HM INSPECTORATE OF
POLLUTION (HMIP)**

(from 1/4/1996 see ENVIRONMENT
AGENCY)

Romney House
43 Marsham Street
London SW1P 3PY
Tel: 0171 276 8061
Fax: 0171 276 8605

HMIPI SCOTLAND

(from 1/4/1996 see SCOTTISH
ENVIRONMENT PROTECTION
AGENCY)

Scottish Office, Environment
Department
27 Perth Street
Edinburgh EH3 5RB
Tel: 0131 244 5986
Fax: 0131 244 2903

**INDUSTRY COUNCIL FOR
PACKAGING AND THE
ENVIRONMENT (INCPEN)**

Tenterden House
3 Tenterden Street
London W1R 9AH
Tel: 0171 409 0949
Fax: 0171 409 0161

Represents companies involved in the
manufacture of packaging and the
manufacture and retailing of packaged
goods.

**INSTITUTE FOR EUROPEAN
ENVIRONMENTAL POLICY**

(IEEP) *Dean Bradley House*

158 Buckingham Palace Road - 52 Horseferry Rd
London SW1W 9TR
Tel: 0171 824 8787

Email: ieeplondon@gn.apc.org

Analysis and promotion of environ-
mental policy in Europe.

INSTITUTE OF ACOUSTICS

Agriculture House
5 Holywell Hill
St Albans
Herts AL1 1EU
Tel: 01727 848195
Fax: 01727 850553

799 2244
Fax 0171 799 2600

INSTITUTE OF ENERGY

18 Devonshire Street

London W1N 2AU

Tel: 0171 580 7124

Fax: 0171 580 4420

Only UK chartered, professional body
to encompass whole energy field.

**INSTITUTE OF
ENVIRONMENTAL
ASSESSMENT**

Welton House

Lime Kiln Way

Lincoln

Tel: 01522 540069

Fax: 01522 540090

INSTITUTE OF PETROLEUM

61 New Cavendish Street

London W1M 8AR

Tel: 0171 467 7100

Fax: 0171 255 1472

Email: InstPet@cityscape.co.uk

Independent professional body issuing
codes of practice and guidance notes.

**INSTITUTE OF ROAD
TRANSPORT ENGINEERS**

22 Greencoat Place

Victoria

London SW1P 1PR

Tel: 0171 630 1111

Fax: 0171 630 6677

**INSTITUTE OF WASTES
MANAGEMENT, THE**

9 Saxon Court

St Peters Gardens

Northampton NN1 1SX

Tel: 01604 20426

Fax: 01604 21339

Leading professional body in the field
of wastes management.

**INSTITUTION OF CIVIL
ENGINEERS**

1 Great George Street

London SW1P 3AA

Tel: 0171 222 7722

Fax: 0171 222 7500

**INSTITUTION OF
MECHANICAL ENGINEERS
(IMECHE)**

1 Birdcage Walk

London SW1H 9JJ

Tel: 0171 222 7899

Fax: 0171 222 4557

**INSTITUTION OF PLANT
ENGINEERS**

77 Great Peter Street

London SW1P 2EZ

Tel: 0171 233 2855

Fax: 0171 233 2604

Management/maintenance of
industrial, commercial/construction
plant, equipment, works services.

**INTERNATIONAL CENTRE FOR
CONSERVATION EDUCATION
(ICCE)**

Greenfield House

Guiting Power

Cheltenham GL54 5TZ

Tel: 01451 850777

Fax: 01451 850705

Promotes greater understanding of
conservation, the environment and
sustainable development, through
education and communication.

Local Auth Unit (ADEX)
c/o Env. Agency

Olton Court

10 Warwick Road

OLTON

Solihull

W. Midlands B92 7HX

tel 0121 711 5923/24/5899
fax 5925

**INTERNATIONAL INSTITUTE
FOR ENVIRONMENT &
DEVELOPMENT**

3 Endsleigh Street
London WC1H 0DD

Tel: 0171 388 2117

Fax: 0171 388 2826

Promotion of environment and
economic development.

**INVESTIGATION OF AIR
POLLUTION STANDING
CONFERENCE (IAPSC)**

National Environmental Technology
Centre

AEA Technology
E5

Culham, Abingdon

Oxon OX14 0DB

Tel: 01235 463022

Email:

stephen.j.richardson@aeat.co.uk

Information database and liaison
forum for DOE, LAs and industry.

**ISVR CONSULTANCY
SERVICES**

**INSTITUTE OF SOUND AND
VIBRATION RESEARCH**

The University of Southampton

University Road

Southampton SO17 1BJ

Tel: 01703 592162

Fax: 01703 592728

Research and consultancy in noise and
vibration.

**LOCAL GOVERNMENT
MANAGEMENT BOARD**

Local Agenda 21 UK

Arndale House

The Arndale Centre

Luton

Bedfordshire LU1 2TS

Tel: 01582 451166

0171 296 6000

6666

Fax: 01582 412525

Email: lgmb@gn.apc.org

Manages the Local Agenda 21
initiative on behalf of the UK local
authority associations.

LONDON HAZARDS CENTRE

Interchange Studios

Dalby Street

London NW5 3NQ

Tel: 0171 267 3387

Fax: 0171 267 3397

Research and information on hazards
in the workplace environment.

LONDON RESEARCH CENTRE

81 Black Prince Road

London SE1 7SZ

Tel: 0171 735 4250

Fax: 0171 627 9606

Email: hutchinson@gn.apc.org

Environment, transport, social issues
and local government consultancy.
Specialist services include
atmospheric emissions inventories.

**LONDON WASTE REGULATION
AUTHORITY**

(from 1 April 1996 see
ENVIRONMENT AGENCY)

Hampton House

20 Albert Embankment

London SE1 7TJ

Tel: 0171 587 3000

Fax: 0171 587 5258/9

Responsible for site licensing
registration of waste carriers and
movement of hazardous wastes etc.

**LOW FREQUENCY NOISE
SUFFERERS ASSOCIATION
(LFNSA)**

11 Blake Hill Avenue

Poole

Dorset BH14 8QA

david.

787 5500

787 5606

london-research

Hayden Horv
76-FX
Twinhill
Street

London
EC1M 500

(fax)

**LOW TEMPERATURE COAL
DISTILLERS' ASSOCIATION OF
GREAT BRITAIN LTD**

PO Box 21
Chesterfield
Derbyshire S44 6AB
Tel: 01246 822281/9

**MANCHESTER AREA
POLLUTION ADVISORY
COUNCIL (MAPAC)**

Planning and Environmental Health
Dept
Town Hall
PO Box 362
Manchester M60 2JB
Tel: 0161 234 4875
Fax: 0161 234 4871

**MARINE CONSERVATION
SOCIETY**

9 Gloucester Road
Ross-on-Wye
Herefordshire HR9 5BU
Tel: 01989 566017
Fax: 01989 567815
Email: mcsuk@apc.gn.org.
Devoted to the protection of the
marine environment based on sound
scientific principles and environ-
mentally sensitive management.

METEOROLOGICAL OFFICE

Environmental Services
Johnson House J11
MET Office
London Road
Bracknell
Berkshire RG12 2SY
Tel: 01344 856971
Provides environmental services and
data taking full account of
meteorology.

**MIDLAND JOINT ADVISORY
COUNCIL FOR
ENVIRONMENTAL
PROTECTION**

c/o Tim Glens
Principal Environmental Health
Officer
Dudley Metropolitan Borough
Council
4 Ednam Road
Dudley
West Midlands DY1 1HW
Tel: 01384 452607
Fax: 01384 452666

**MINISTRY OF AGRICULTURE
FISHERIES & FOOD (MAFF)**

Whitehall Place
London SW1A 2HH
Tel: 0171 270 8080
Fax: 0171 270 8443
The Ministry is responsible for
Government policy and foreign
negotiation.

**MONITORING AND
ASSESSMENT RESEARCH
CENTRE (MARC)**

The Old Coach House
Campden Hill
London W8 7AD
Tel: 0171 376 1577
Fax: 0171 937 5396

**MOTOR INDUSTRY RESEARCH
ASSOCIATION**

Watling Street
Nuneaton
Warwickshire CV10 0TU
Tel: 01203 355000
Fax: 01203 355355

**NATIONAL ASSOCIATION FOR
ENVIRONMENTAL EDUCATION
(UK)(NAEE)**

Wolverhampton University

Walsall Campus

Gorway

Walsall WS1 3BD

Tel: 01922 31200

Fax: 01922 31200

Teachers' organisation promoting
environmental education in schools
and colleges.

**NATIONAL ASSOCIATION OF
CHIMNEY SWEEPS**

St Mary's Chambers

19 Station Road

Stone

Staffordshire ST15 8JP

Tel: 01785 811732

Fax: 01785 811732

**NATIONAL ASTHMA
CAMPAIGN**

Providence House

Providence Place

London N1 0NT

Tel: 0171 226 2260

Fax: 0171 704 0740

The charity for people with asthma.

**NATIONAL CONSUMER
COUNCIL (NCC)**

20 Grosvenor Gardens

London SW1W 0DH

Tel: 0171 730 3469

Fax: 0171 730 0191

Research and promotion of consumer
issues.

**NATIONAL ENERGY
FOUNDATION**

3 Benbow Court

Shenley Church End

Milton Keynes MK5 6JG

Tel: 01908 501908

Fax: 01908 504848

Registered charity promoting energy
efficiency; network manager for
LEACs.

**NATIONAL ENVIRONMENTAL
TECHNOLOGY CENTRE
(NETCEN)**

AEA Technology

Culham

Abingdon

Oxfordshire OX14 3DB

Tel: 01235 463811

Comprehensive environmental
services ranging from monitoring to
plant engineering solutions. Also
provides information and advice on
environmental issues to UK
businesses free of charge via an
Environmental Helpline Tel: 0800
585794.

**NATIONAL HOME ENERGY
RATING**

Rockingham Drive

Linford Wood

Milton Keynes MK14 6EG

Tel: 01908 672787

Fax: 01908 662296

NATIONAL POWER PLC

Windmill Hill Business Park

Whitehill Way

Swindon

Wiltshire SN5 6PB

Tel: 01793 896230

Fax: 01793 896251

Email:

michael.manning@natpower.co.uk

Environmental monitoring, impact assessment and research into the environmental impacts of electricity generation.

NATIONAL RADIOLOGICAL PROTECTION BOARD (NRPB)

Chilton

Didcot

Oxfordshire OX11 0RQ

Tel: 01235 831600

Fax: 01235 833891

Provides information and advice on radiation (ionising and non-ionising).

NATIONAL RECYCLING FORUM

Gresham House

24 Holborn Viaduct

London EC1A 2BN

Tel: 0171 248 1412

Provides national focus for development of recycling and waste minimisation in the UK.

NATIONAL RIVERS AUTHORITY

(from 1 April 1996 see ENVIRONMENT AGENCY)

Rivers House

Waterside Drive

Aztec West

Almondsbury

Bristol BS12 4UD

Tel: 01454 624400

Fax: 01454 624409

NATIONAL TRUST for Places of Historic Interest or Natural Beauty

36 Queen Anne's Gate

London SW1H 9AS

Tel: 0171 222 9251

Fax: 0171 222 5097

Preservation of buildings and land of beauty or historic interest.

NATURAL ENVIRONMENT RESEARCH COUNCIL (NERC)

Polaris House

North Star Avenue

Swindon SN2 1EU

Tel: 01793 411500

Gives advice both on exploiting the natural resources of the land and sea and protecting the world's environment.

NEA (formerly Neighbourhood Energy Action)

St Andrews House

90/92 Pilgrim Street

Newcastle upon Tyne NE1 6SG

Tel: 0191 261 5677

Concerned with publicising and solving the problem of fuel poverty.

NIFES CONSULTING GROUP

National Industrial Fuel Efficiency Service Ltd

NIFES House

Sinderland Road

Broadheath

Altrincham

Cheshire WA14 5HQ

Tel: 0161 928 5791

Fax: 0161 926 8718

NIREX

Curie Avenue
Harwell
Didcot
Oxon OX11 0RH
Tel: 01235 825500

The safe disposal of intermediate-level and some low-level radioactive waste.

NOISE ABATEMENT SOCIETY

PO Box 518
Eynsford
Dartford
Kent DA4 0LL
Tel: 01322 862789
Fax: 01322 860381

Sole purpose eliminating excessive and unnecessary noise from all sources.

NOISE COUNCIL

Chadwick Court
15 Hatfields
London SE1 8DJ
Tel: 0171 928 6006

**NORTHERN IRELAND WATER
EXECUTIVE HEADQUARTERS**

Northland House
3 Frederick Street
Belfast BT1 2NR
Tel: 01232 244711
Fax: 01232 354888

To provide wholesome water supplies and effectively treat waste water.

NUCLEAR ELECTRIC PLC

Barnett Way
Barnwood
Gloucester GL4 7RS
Tel: 01452 652222
Fax: 01452 652776

**PARLIAMENTARY AND
SCIENTIFIC COMMITTEE**

16 Great College Street
London SW1P 3RX
Tel: 0171 222 7085

PESTICIDES TRUST

Eurolink Business Centre
49 Effra Road
London SW2 1BZ
Tel: 0171 274 8895
Fax: 0171 274 9084
Email: pesttrust@gn.apc.org
To raise awareness of health and environmental implications of pesticides.

PLANTLIFE

The Natural History Museum
Cromwell Road
London SW7 5BD
Tel: 0171 938 9111
Fax: 0171 938 9112
Britain's only charity entirely devoted to the conservation of wild plants and their habitats.

POWERGEN PLC

Westwood Way
Westwood Business Park
Coventry CV4 8LG
Tel: 01203 424000
Fax: 01203 425432

**ROYAL COMMISSION ON
ENVIRONMENTAL POLLUTION
(RCEP)**

Church House
Great Smith Street
London SW1P 3BZ
Tel: 0171 276 2080
Fax: 0171 276 2098

**ROYAL ENVIRONMENTAL
HEALTH INSTITUTE OF
SCOTLAND (REHIS)**

3 Manor Place
Edinburgh EH3 7DH
Tel: 0131 225 6999
Fax: 0131 225 3993

**ROYAL INSTITUTE OF PUBLIC
HEALTH AND HYGIENE
(RIPHH)**

28 Portland Place
London W1N 4DE
Tel: 0171 580 2731/2
Charity promoting public health
through a variety of educational
means.

**ROYAL METEOROLOGICAL
SOCIETY**

104 Oxford Road
Reading
Berks RG1 7LJ
Tel: 01734 568500
Fax: 01734 568571

**ROYAL SOCIETY FOR NATURE
CONSERVATION** see WILDLIFE
TRUSTS

**ROYAL SOCIETY FOR THE
PROTECTION OF BIRDS (RSPB)**

The Lodge
Sandy
Bedfordshire SG19 2DL
Tel: 01767 680551
Fax: 01767 692365
The charity that takes action for wild
birds and the environment.

**ROYAL TOWN PLANNING
INSTITUTE**

26 Portland Place
London W1N 4BE
Tel: 0171 636 9107
Fax: 0171 323 1582
Professional body for town planners
in the UK and Ireland.

**SCOTTISH ENVIRONMENT
PROTECTION AGENCY**

Head Office
Erskine House
The Castle Business Park
Stirling FK9 4TR
Tel: 01786 457700

**SCOTTISH ENVIRONMENTAL
EDUCATION COUNCIL**

University of Stirling
Stirling FK9 4LA
Tel: 01786 467867
Fax: 01786 467864
Email: smw3@stir.ac.uk
Voluntary membership organisation
promoting environmental education
through policy development and
practical projects.

**SCOTTISH NATURAL
HERITAGE**

12 Hope Terrace
Edinburgh EH9 2AS
Tel: 0131 447 4784
Fax: 0131 446 2277
Scottish Natural Heritage works to
conserve and enhance Scotland's
natural heritage.

**SCOTTISH OFFICE,
AGRICULTURE,
ENVIRONMENT AND
FISHERIES DEPARTMENT**

Environmental Protection Unit
Victoria Quay
Edinburgh EH6 6QQ
Tel: 0131 244 1750
Fax: 0131 244 0403
Sponsorship of SEPA and
Environmental Protection Policy.

**SCOTTISH RIVER
PURIFICATION BOARDS
ASSOCIATION**

1 South Street
Perth PH2 8NG
Tel: 01738 627989
Representing the common interests of
Scotland's river purification
authorities.

**SOCIETY OF BRITISH GAS
INDUSTRIES**

36 Holly Walk
Leamington Spa
Warwickshire CV32 4LY
Tel: 01926 334357
Fax: 01926 450459

**SOCIETY OF MOTOR
MANUFACTURERS AND
TRADERS, THE**

Forbes House
Halkin Street
London SW1X 7DS
Tel: 0171 235 7000
Fax: 0171 235 7112
Responsible for the environmental
and occupational health aspects of
producing vehicles.

SOLID FUEL ASSOCIATION

The Old School House
Church Street
Sutton-in-Ashfield
Nottingham NG17 1AE
Tel: 01623 550411
Promotion and support services for
domestic solid fuel heating.

**SOUTH EAST INSTITUTE OF
PUBLIC HEALTH**

Broomhill House
David Salmons Estate
Broomhill Road
Tunbridge Wells TN3 0XT
Tel: 01892 515153
Fax: 01892 516344

**STEEL CAN RECYCLING
INFORMATION BUREAU**

69 Monmouth Street
London WC2H 9DG
Tel: 0171 379 1306
Fax: 0171 379 1307

TIDY BRITAIN GROUP

The Pier
Wigan
Greater Manchester WN3 4EX
Tel: 01942 824620
Fax: 01942 824778

**TOWN AND COUNTRY
PLANNING ASSOCIATION
(TCPA)**

17 Carlton House Terrace
London SW1Y 5AS
Tel: 0171 930 8903
Fax: 0171 930 3280
Campaigns to improve the
environment through effective
planning.

TRANSPORT 2000

Walkden House
10 Melton Street
Euston
London NW1 2EJ
Tel: 0171 388 8386
Fax: 0171 388 2481
Promotion of environmentally sound
and socially responsible transport
policies.

**UK CENTRE FOR ECONOMIC &
ENVIRONMENTAL
DEVELOPMENT (UK CEED)**

3e King's Parade
Cambridge CB2 1SJ
Tel: 01223 367799
Fax: 01223 367799
Email:
100345.1444@compuserve.com
An independent charitable research
institute promoting economic analysis
of environmental issues.

**UK ENVIRONMENTAL LAW
ASSOCIATION (UKELA)**

Stephen Tromans, Chairman
c/o Simmons & Simmons
21 Wilson Street
London EC2M 2TX
Tel: 0171 628 2020
To promote understanding of the role
of environmental law.

**UK PETROLEUM INDUSTRY
ASSOCIATION (UKPIA)**

9 Kingsway
London WC2B 6XH
Tel: 0171 240 0289
Fax: 0171 379 3102
Email: ukpia@highfield.sprint.com
Presents views of major oil companies
to Government, media etc.

WASTEWATCH

Gresham House
24 Holborn Viaduct
London EC1A 2BN
Tel: 0171 248 1818
Fax: 0171 248 1404
Wasteline: 0171 248 0242
National Agency for the promotion of
waste reduction and recycling.

WATT Committee on Energy

Burlington House
Piccadilly
London W1V 0LQ
Tel: 0171 434 3988
Fax: 0171 434 3989
Promotion of research and
development on all aspects of energy.

WILDLIFE TRUSTS, THE

Royal Society for Nature
Conservation
The Green
Witham Park
Waterside South
Lincoln LN5 7JR
Tel: 01522 544400
Fax: 01522 511616
Working for wildlife throughout the
UK.

WILDLIFE WATCH

The Green
Witham Park
Waterside South
Lincoln LN5 7JR
Tel: 01522 544400
The action club for young
environmentalists.

**WOMEN'S ENVIRONMENTAL
NETWORK**

Aberdeen Studios
22 Highbury Grove
London N5 2EA

Tel: 0171 354 8823

Fax: 0171 354 0464

Women's Environmental Network
Directory of Information (WENDI) -
information line on consumer
products and their effects on the
environment. Tel: 0171 704 6800.

**WORLD RESOURCE
FOUNDATION**

Bridge House

High Street

Tonbridge

Kent TN9 1DP

Tel: 01732 368333

Fax: 01732 368337

Email: wrf@gn.apc.org

Provides information on sustainable
waste management and publishes a
free quarterly magazine.

**WWF UK (WORLD WIDE FUND
FOR NATURE)**

Panda House

Weyside Park

Catteshall Lane

Godalming

Surrey GU7 1XR

Tel: 01483 426444

Fax: 01483 426409

World's largest and most effective
independent nature conservation
organisation.

CLASSIFIED INDEX

Air Pollution

British Lung Foundation
Chartered Institute of Environmental
Health
Climate Action Network
Department of the Environment
Department of the Environment
Northern Ireland
Environment Agency, The
Friends of the Earth
Friends of the Earth Scotland
Greenpeace Ltd
Institute of Environmental Health

Investigation of Air Pollution
Standing Conference
Manchester Area Pollution Advisory
Council
Midland Joint Advisory Council for
Environmental Protection
Monitoring and Assessment Research
Centre
Pesticides Trust
Scottish Environment Protection
Agency
South East Institute of Public Health
WWF UK (Worldwide Fund for
Nature)

Built Environment

Building Research Establishment
Civic Trust
Institute of Environmental
Assessment
Institution of Civil Engineers
London Hazards Centre
Royal Town Planning Institute
Town and Country Planning
Association

Consumer Issues

Campaign for Freedom of Information
Consumers' Association
National Consumer Council
Women's Environmental Network

Countryside Conservation

Association for the Protection of
Rural Scotland
Campaign for the Protection of Rural
Wales
Council for the Protection of Rural
England
Countryside Commission
Countryside Council for Wales
English Nature
Environment Agency, The
Forestry Commission
Ministry of Agriculture, Fisheries and
Food
Natural Environment Research
Council
National Trust
Plantlife
Royal Society for the Protection of
Birds
Scottish Environment Protection
Agency
Scottish Natural Heritage
Town and Country Planning
Association
Wildlife Trust (RSNC)

Wildlife Watch
WWF UK (Worldwide Fund for
Nature)

Development Issues

Centre for Alternative Technology
Institute for European Environmental
Policy
International Centre for Conservation
Education
International Institute for
Environment and Development
UK Centre for Economic and
Environmental Development
WWF UK (Worldwide Fund for
Nature)

Energy

Association of British Solid Fuel
Appliance Manufacturers
Association for the Conservation of
Energy
British Gas plc
British Nuclear Energy Society
British Wind Energy Association
Centre for Alternative Technology
Combined Heat and Power
Association
Energy Savings Trust Ltd
Energy Technology Support Unit
Environmental & Energy
Management Directorate
Fuel Industry Association
Heating and Ventilating Contractors
Association
Institute of Energy
Institute of Petroleum
Low Temperature Coal Distillers'
Association of Great Britain Ltd
National Energy Foundation
National Home Energy Rating
National Power plc
NEA (Neighbourhood Energy Action)
NIFES Consulting Group

Nuclear Electric plc
PowerGen plc
Society of British Gas Industries
Solid Fuel Association
UK Petroleum Industry Association
Watt Committee on Energy
World Resource Foundation

Environmental Education

Centre for Alternative Technology
Council for Environmental Education
International Centre for Conservation
Education
National Association of
Environmental Education (UK)
Scottish Environmental Education
Council
Wildlife Watch
WWF UK (Worldwide Fund for
Nature)

Environmental Law

Environmental Law Foundation
Foundation for International
Environmental Law and
Development UK Environmental
Law Association

Environmental Policy

Confederation of British Industry
Department of the Environment
Department of the Environment
Northern Ireland
Environment Agency, The
Environment Council, The
Friends of the Earth
Friends of the Earth Scotland
Green Alliance
Parliamentary and Scientific
Committee
Royal Commission on Environmental
Pollution

Scottish Environment Protection
Agency
Scottish Office, Agriculture,
Environment and Fisheries
Department
Women's Environmental Network

Health

Action on Smoking and Health
British Lung Foundation
Chartered Institute of Environmental
Health
Department of Health
Health and Safety Commission
Health and Safety Executive
Health Education Authority
London Hazards Centre
National Asthma Campaign
National Radiological Protection
Board
Pesticides Trust
Royal Environmental Health Institute
of Scotland
Royal Institute of Public Health and
Hygiene
South East Institute of Public Health
Women's Environmental Network

Industrial

Advisory Committee on Business and
the Environment
Alkali and Radiochemical
Inspectorate
Asbestos Removal Contractors
Association
Audit Commission
British Aerosol Manufacturers
Association
British Standards Institution
Confederation of British Industry
Department of Trade and Industry
District Audit
Filtration Society
GAMBICA

Heating and Ventilating Contractors Association

HMIP (see Environment Agency)

HMIPI (see Scottish Environment Protection Agency)

Industry Council for Packaging and the Environment

Institute of Energy

Institute of Petroleum

Institute of Road Transport Engineers

Institution of Mechanical Engineers

Institution of Plant Engineers

Motor Industry Research Association

National Association of Chimney Sweeps

Society of Motor Manufacturers and Traders, The

Local Government

Association of County Councils

Association of District Councils

Association of London Government

Association of Metropolitan Authorities

Audit Commission

Chartered Institute of Environmental Health

Convention of Scottish Local Authorities

District Audit

Local Government Management Board

Manchester Area Pollution Advisory Council

Midland Joint Advisory Council for Environmental Protection

Royal Environmental Health Institute of Scotland

Meteorology/Climate

Climate Action Network

Friends of the Earth

Meteorological Office

Royal Meteorological Society

Noise Pollution

Association of Noise Consultants

Aviation Environment Federation

Chartered Institute of Environmental Health

Institute of Acoustics

Institute of Sound and Vibration

Research (see ISVR Consulting Services)

Low Frequency Noise Sufferers Association

Midland Joint Advisory Council for Environmental Protection

Noise Abatement Society

Noise Council

UK Environmental Law Association

Pesticides

Ministry of Agriculture Fisheries and Food

Pesticides Trust

Research

British Lung Foundation

Building Research Establishment

Building Services Research and Information Association (see Centre for Construction Ecology)

Centre for Alternative Technology

Centre for Exploitation of Science and Technology

Climate Action Network

Consumers' Association

Institute for European Environmental Policy

Institute of Environmental Assessment

International Institute for Environment and Development

London Research Centre

Monitoring and Assessment Research Centre

National Asthma Campaign

National Consumer Council
National Environmental Technology
Centre
Natural Environment Research
Council
Royal Commission on Environmental
Pollution
UK Centre for Economic and
Environmental Development

Transport

Airports Policy Consortium
Aviation Environment Federation
British Road Federation
Cyclists Touring Club
Department of Transport
Environmental Transport Association
Friends of the Earth
Friends of the Earth Scotland
Greenpeace Ltd
Institute of Road Transport Engineers
Motor Industry Research Association
Society of Motor Manufacturers and
Traders, The
Transport 2000

Waste/Recycling

Environment Agency
Environmental Services Association
Friends of the Earth
Friends of the Earth Scotland
Greenpeace Ltd
Industry Council for Packaging and
the Environment
Institute of Waste Management
London Waste Regulation Authority
National Recycling Forum
NIREX
Scottish Environmental Protection
Agency
Steel Can Recycling Information
Bureau
Tidy Britain Group
World Resource Foundation

Wastewatch
WWF UK (Worldwide Fund for
Nature)

Water

Department of the Environment
Department of the Environment
Northern Ireland
Environment Agency, The
Friends of the Earth
Friends of the Earth Scotland
Greenpeace Ltd
Marine Conservation Society
National Rivers Authority
Northern Ireland Water Executive
Headquarters
Scottish Environmental Protection
Agency
Scottish River Purification Boards
Association
Wildlife Watch

INTERNATIONAL DIRECTORY

NATIONAL ORGANISATIONS

AUSTRALIA

Clean Air Society of Australia and New Zealand (CASANZ)

1 Denman Street

Mitcham

Victoria 3132

Tel: (+61-3) 9872 5111

Fax: (+61-2) 9872 5111

Executive Officer: Mr G. Angus

AUSTRIA

Austrian Society for Air and Soil Pollution Prevention

c/o Environmental Protection Agency

Spittelauer Laende 5

A-1090 Vienna

Tel: (+43-1) 31 304-460

Fax: (+43-1) 31 304-400

International Coordinator: Dip Ing

Isabella Hammer-Kossina

BELGIUM

Royal Flemish Chemical Society - Environment and Safety Section

Coupure Rechts 168

B-9000 Gent

Tel: (+32-9) 223 33 73

Fax: (+32-9) 223 34 55

International Coordinator: Dr R

Bouckaert

FINLAND

Finnish Air Pollution Prevention Society (FAPPS)

PO Box 335

SF-00131 Helsinki

Tel: (+358-0) 45 61

Fax: (+358-0) 45 52 022

International Coordinator: Ms Merja

Tolvanen

FRANCE

Association for the Prevention of Atmospheric Pollution (APPA)

58 rue du Rocher

75008 Paris

Tel: (+33-1) 42 93 62 07

Fax: (+33-1) 42 93 41 99

President: M Pierre Gaussens

GERMANY

Commission on Air Pollution Prevention in VDI and DIN

Robert-Stolz-Strasse 5

Postfach 10 11 39

D-40002 Düsseldorf 1

Tel: (+49-211) 6214-532

Fax: (+49-211) 6214-157

Secretary: Dr-Ing Klaus Grefen

ISRAEL

Israel Society for Ecology and Environmental Quality Sciences (ISEEQS)

Department of Environmental Sciences

The Hebrew University

Jerusalem 91904

Tel: (+972-2) 636841

Fax: (+972-2) 637260

International Coordinator: Professor

Menachem Luria

ITALY

Air Pollution Study Committee (CSIA-ATI)

c/o ISTIC (Chemical Engineering & Technologies Institute)

University of Genoa

Via Opera Pia 15

16145 Genova

Tel: (+39-10) 35 32 916

Fax: (+39-10) 35 32 586

International Coordinator: Professor

G. Ferraiolo

NETHERLANDS

Society for Clean Air in the Netherlands (CLAN)

PO Box 6013

2600 JA Delft

Tel: (+31-15) 269 68 84

Fax: (+31-15) 261 31 86

Secretary: Dr J van Ham

NORWAY

Norwegian Clean Air Association (RLF)

PO Box 2312 Solli

N-0201 Oslo

Tel: (+47-22) 94 75 00

Secretary: Sissel Kristiansen

SOUTH AFRICA

National Association for Clean Air (NACA)

PO Box 2036

Parklands 2121

Tel: (+27-11) 646 2210

Fax: (+27-11) 646 2210

Director: Mr Roy Stephenson

USA

The Air and Waste Management Association (A&WMA)

One Gateway Center, Third Floor

Pittsburgh

Pennsylvania 15222

Tel: (+1-412) 232 3444

Fax: (+1-412) 232 3450

Executive Director: John Thorner

INTERNATIONAL ORGANISATIONS

Commission of European Communities

Information Office

8 Storey's Gate

London SW1P 3AT

Tel: 0171 973 1992

Fax: 0171 973 1900

CONCAWE (Conservation of Clean Air and Water in Western Europe)

Madouplein 1

B1030 Brussels

Belgium

Tel: (+32-2) 220 31 11

Fax: (+32-2) 219 46 46

Council of Europe

Centre Naturopa

(Information and Documentation Centre on Nature Conservation)

Palais de l'Europe

F-67075 Strasbourg Cedex

France

Tel: (+33) 88 41 20 00

Fax: (+33) 88 41 27 15

European Environment Agency

Kongens Nytorv 6

DK-1050 Copenhagen-K

Denmark

Tel: (+45) 33 36 71 00

Fax: (+45) 33 36 71 99

European Environmental Bureau (EEB)

Rue de la Victoire

B-1060 Bruxelles

Belgium

Tel: (+32-2) 539 0037

Fax: (+32-2) 539 0921

European Parliament Information Office

2 Queen Anne's Gate
London SW1H 9AA
Tel: 0171 227 4300
Fax: 0171 227 4302

International Association on Water Quality

1 Queen Anne's Gate
London SW1H 9BT
Tel: 0171 222 3848
Fax: 0171 233 1197

Organisation for Economic Cooperation & Development

2 rue Andre Pascal
75775 Paris Cedex 16
France
Tel: (+331) 45 24 82 00

The United Nations Economic Commission for Europe

Palais des Nations
CH-1211 Geneva 10
Switzerland
Tel: (+41-22) 971 2893
Fax: (+41-22) 917 0036

United Nations Environment Program (UNEP)

Regional Office for Europe
15 Chemin des Anémones
CH-1219 Châtelaine
Geneva
Switzerland
Tel: (+41 22) 979 9111
Fax: (+41 22) 797 3420

World Health Organisation (WHO)

European Regional Office
8 Scherfigsvej
DK-2100 Copenhagen
Denmark
Tel: (+45) 39 17 17 17
Fax: (+45) 39 17 18 18/31 18 11 20

DIRECTORY OF POLLUTION CONTROL EQUIPMENT MANUFACTURERS, SUPPLIERS & CONSULTANTS

The following is a list of companies which manufacture or supply control equipment and/or provide a consultancy service. Companies are listed in alphabetical order, with a classified index of specific services/products.

Inclusion in this Directory does not imply endorsement by NSCA of any products or services or statements made in entries.

ACER ENVIRONMENTAL

Aston House
10 Wedgwood Court
Wedgwood Way
Stevenage
Herts SG1 4QR
Tel: 01438 740054
Fax: 01438 740042

Acer Environmental is a broad based environmental consultancy providing services in air quality monitoring and modelling throughout the UK. Acer can also provide analytical services, and expertise in noise and vibration, environmental management and audit and the scoping and writing of multi-disciplinary environmental statements.

ACOUSTIC TECHNOLOGY LTD

36-38 The Avenue
Southampton SO17 1XN
Tel: 01703 325000
Fax: 01703 335251

Consultants with over 2 years' experience of noise and vibration measurement, analysis, assessment, and control. We undertake occupational and environmental noise surveys, making recommendations matched to HSE requirements, and can provide turnkey solutions to noise and vibration problems. IOSH recommended Noise at Work Competent Persons' Certification courses are regularly available.

ACOUSTICAL INVESTIGATION & RESEARCH ORGANISATION LTD (AIRO)

Duxons Turn
Maylands Avenue
Hemel Hempstead
Herts HP2 4SB
Tel: 01442 247146
Fax: 01442 256749

AIRO offers independent consultancy and measurement services for any scale of project in the fields of acoustics and noise/vibration control. AIRO's expertise includes environmental assessments in relation to various noise sources, architectural acoustics and presentation of expert testimony. AIRO is also accredited as a NAMAS TESTING Laboratory No. 0483.

AIR IMPROVEMENT CENTRE LTD

23 Denbigh Street
London SW1V 2HF
Tel: 0171 834 2834
Fax: 0171 630 8485

Independent specialist company advising on and supplying all leading brands of air improvement products for home, office and medical use. Free advisory service and information pack. All main brands stocked and on display in central London showroom

92 Manufacturers, suppliers, consultants

and shop – air purifiers, ionisers, humidifiers, dehumidifiers, mobile air conditioners and instrument sets. Nationwide despatch service.

AIR QUALITY CONSULTANTS LTD

12 St Oswalds Road
Bristol BS6 7HT
Tel: 0117 974 1086
Fax: 0117 946 6271

Provides specialist air quality consultancy services. Recent experience: public inquiries; road schemes; landfill dust; incinerator emissions; airport emissions; local air quality management; power station emissions; advice on monitoring strategies.

AIRMASTER ENGINEERING LTD

Limewood Approach
Seacroft
Leeds LS14 1NG
Tel: 0113 273 3333
Fax: 0113 265 0735

Suppliers of dust extraction plants consisting of package units or tailor made installations covering fully automatic or semi automatic equipment.

ALFRED PETERS PLC

Acoustic House
Bridlington Road Industrial Estate
Hunmanby
North Yorkshire YO14 0PH
Tel: 01723 890141
Fax: 01723 891742
Email:
100012.3045@compuserve.com

Manufacturer of audiometers.

AMBUCO PROCESS EQUIPMENT LTD

55 London Road
Raunds
Wellingborough
Northants NN9 6EH
Tel: 01933 624424
Fax: 01933 626400

Over 30 years experience in air pollution control systems; manufacturers of a wide range of equipment for dust and fume control including wet scrubbers, cyclones, multicyclones, fabric filters, close capture hoods and catalytic incineration systems for VOC emission control. Comprehensive consultancy service available with airflow and emission testing facilities.

ASPEN ENVIRONMENTAL

51 Comberford Road
Tamworth
Staffordshire B79 8PE
Tel: 01827 52267
Fax: 01827 53813
Email:
100072.1141@compuserve.com.

An independent consulting service (Dr. G. W. Buck – Principal) specialising in air quality and emissions monitoring, odour assessment and control, occupational hygiene, dispersion modelling, pollution effects on people, animals and plants, and expert witness in all the above fields. Dr. Buck is a member of the Guidance Committee of the Source Testing Association.

ATMOSPHERIC RESEARCH & INFORMATION CENTRE

Department of Environmental and Geographical Sciences
Manchester Metropolitan University
Chester Street
Manchester M1 5GD
Tel: 0161 247 1590
Fax: 0161 247 6332
Email: aric@mmu.ac.uk

ARIC is a multi-disciplinary centre of excellence for the study and resolution of atmospheric pollution issues. ARIC provides a niche service and is dedicated to providing the highest standards of research, information and consultancy in atmospheric sciences for a wide variety of user groups.

BABTIE GROUP

95 Bothwell Street
Glasgow G2 7HX
Tel: 0141 204 2511
Fax: 0141 226 3109
Email:
100634.1541@compuserve.com

Multi-disciplinary engineering consultancy with wide environmental capability including environmental impact assessments, environmental audits, environmental management plans, waste minimisation, waste water treatment, solid waste disposal and derelict land renewal.

BASSAIRE LTD

Duncan Road
Park Gate
Southampton
Hants SO31 1ZS
Tel: 01489 885111
Fax: 01489 885211
Telex: 477605 BASAIR G

Clean room design, construction and maintenance, and design, manufacture and maintenance of isolator glove boxes for nuclear, medical and pharmaceutical applications; safety cabinets; laminar flow cabinets; modules, mobile enclosures and other bespoke air filtration equipment, all to relevant British Standards, American Federal Standards and UK GMP.

BCRA SCIENTIFIC & TECHNICAL SERVICES LTD

Mill Lane
Wingerworth
Chesterfield
Derbyshire S46 6NG
Tel: 01246 209654
Fax: 01246 272247

Internationally renowned environmental consultants serving industrial and regulatory body clients throughout Britain and abroad. • Stack emission compliance monitoring: comprehensive NAMAS accredited service used extensively by HMIP. • Expert odour measurement/impact assessment. • Waste water treatment: Independent experts in the purification of complex effluents to stringent standards. • COSHH monitoring. • Expert analysis.

F E BEAUMONT LTD

Woodlands Road
Mere
Wiltshire BA12 6BT
Tel: 01747 860481
Fax: 01747 861076

F E Beaumont Ltd is an independent privately owned company specialising in the design, manufacture, installation and maintenance of steel chimneys, flue liners, ducting, cyclones and associated items.

BORN ENVIRONMENTAL LTD

Europa House
Goldstone Villas
Hove
East Sussex BN3 3RQ
Tel: +44 01273 727374
Fax: +44 01273 727353
Telex: 87285 Cables BORNUK G

Born Environmental Ltd - one of the leading worldwide designers/suppliers of environmental pollution control equipment. Specialist technologies supplied, include:- Flue Gas Cleaning systems for removal of almost ANY contaminant:- dust, particulates, gases/odours, NOx/SOx, chemical emissions, etc; VOC Removal; Vapour Recovery; Precious Metals Refining and Specialist Filters for the removal of ALL dust and acids.

BRISTOL INDUSTRIAL & RESEARCH ASSOCIATES LTD (BIRAL)

PO Box 2
Portishead
Bristol BS20 9JB
Tel: 01275 847787
Fax: 01275 847303

An ISO 9002 accredited organisation, BIRAL supply a range of environmental monitoring instruments covering complementary areas such as industrial ventilation, indoor air quality, emission monitoring and meteorology. Emission monitoring encompasses in-stack particulates, combustion gases, VOCs and fence line measuring. Specialist equipment for the characterisation of aerosol properties is also available.

BRUEL & KJAER

92 Uxbridge Road
Harrow
Middlesex HA3 6BZ
Tel: 0181 954 2366
Fax: 0181 954 9504

World leaders in the design and supply of noise monitoring instruments and systems. In addition, Bruel and Kjaer supply microphones, vibration monitoring equipment and noise modelling software to assist in plant design and development.

CASELLA LTD

Regent House
Wolseley Road
Kempston
Bedford MK42 7JY
Tel: 01234 841441
Fax: 01234 841490
Telex: 827707

Manufacturers and worldwide suppliers of environmental monitoring instruments for air sampling and gas detection as well as meteorological instruments for rainfall logging, temperature, pressure, humidity, sunshine, wind speed and direction measurement, automatic weather stations and thermohygrographs.

CASTLE GROUP LTD

Salter Road
Scarborough
North Yorkshire YO11 3UZ
Tel: 01723 584250
Fax: 01723 583728

Castle Group manufacture a range of noise and vibration measuring equipment and offer consultancy and training in both industrial and

environmental measurement. We also keep a large hire stock available at very competitive prices.

CEL INSTRUMENTS LTD

35-37 Bury Mead Road

Hitchin

Herts SG5 1RT

Tel: 01462 422411

Fax: 01462 422511

CEL manufacture a range of noise and vibration instruments that include real-time sound level analysers, noise dosimeters, hand-arm vibration monitors, sound level meters and software. The instruments comply with international standards and offer a solution to environmental, industrial and product noise measurement requirements. They are supported by a full repair, service, calibration and training facility. A NAMAS accredited acoustic calibration laboratory is based at CEL's Hitchin site.

CIRRUS RESEARCH PLC

Acoustic House

Bridlington Road Industrial Estate

Hunmanby

North Yorkshire YO14 0PH

Tel: 01723 891655

Fax: 01723 891742

Email:

100012.3045@compuserve.com

Manufacturer of sound measuring equipment.

**CIVIL ENGINEERING
DYNAMICS**

83-87 Wallace Crescent

Carshalton SM5 3SU

Tel: 0181 647 1908

Fax: 0181 395 1556

Civil Engineering Dynamics established in 1948, specialise in vibration, noise, air/water quality. We undertake measurement, analysis and control. Our services include finite element analysis. We provide environmental test equipment for sale and hire. Please contact us for a current hire catalogue which contains all the well known products.

CHARLES AUSTEN PUMPS LTD

Royston Road

Byfleet

West Byfleet

Surrey KT14 7NY

Tel: 01932 355277

Fax: 01932 351285

Charles Austen Pumps manufacture air pollution samplers for monitoring fugitive dust and particle emissions, ideal for open cast mining sites and metal industries and providing an economical means of measuring the effectiveness of an abatement control programme. We also supply pumps and gas meters for the National Smoke Survey.

**CLAYTON ENVIRONMENTAL
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Fax: 0121 356 5222

Clayton Environmental Consultants help industrial, commercial and government clients identify and resolve many complex problems which they face today in the following areas: environmental management, laboratory testing, occupational hygiene, site investigation and remediation.

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Independent chemical, environmental and process engineering design organisation. Services include IPC/LAAPC applications; improvement plans; emission quantification and evaluation; plant modelling; BATNEEC/BPEO establishment and justification; design packages from feasibility to detailed design; equipment design; cost estimates; expert witness; safety/environment reviews; hazardous area classification; HAZOP studies; and just plain good advice!

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Tel: 01242 673361
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Telex: 43568 CB CRE G
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International energy and environmental consultancy, technical service and research company.

Specialist in combustion, gasification and incineration including solid/liquid fuels, gas, biomass and wastes. Leading emissions monitoring organisation with NAMAS accredited mobile laboratories and analytical back-up. Environmental consultancy:- assessment, auditing, dispersion modelling, techno-economic feasibility, planning, legislation, environmental strategy, expert witness service.

CROSKERY ENVIRONMENTAL

14 Cloyfin Road
Coleraine
Co Londonderry
BT52 2NU
Northern Ireland
Tel: 01265 44713
Fax: 01265 44713

Consultancy based in Northern Ireland, specialising in impact assessment, environmental auditing, environmental noise assessment, stack emission monitoring, COSHH assessment, workplace monitoring for noise, fume, gasses and EC compliance auditing. Our experience covers most sectors of industry and the client base ranges from large firms and public bodies to small businesses.

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UK distributors of Auburn "Triboflow" triboelectric emission monitors, broken bag detectors and associated equipment. Manufacturers of screw conveyors and screw conveyor components and spares for dust extraction systems.

ENVIRONMENTAL SCIENCE LTD

Peppercorns Business Centre
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Tel: 01480 214650
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ESL are health and safety consultants that work on a daily basis on COSHH, LEV testing, EPA monitoring. This experience gained over two decades has significantly contributed to the development of ChemTrak software, a COSHH and CHIP 2(96) management system. ESL also provides training and seminars on COSHH, CHIP 2 and EPA legislation.

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Environment House
Dudbridge Road
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Tel: 01453 751641
Fax: 01453 757596

Manufacturers and suppliers of Air Quality Monitoring systems and instrumentation, including ADNet 1000 networked monitoring stations. Sole UK distributor of OPSIS (DOAS) multi-analytical systems for Air Quality and Process Emissions (CEM) Monitoring. Also Indic Airviro Air Quality Management Software including Emissions Database, Gaussian models and GIS. Suppliers of turnkey systems, in a range of housings to suit many applications.

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Comprehensive range of in-situ instruments for the measurement of opacity, dust, various pollutant gases and gas velocity in stacks to meet the requirements of EPA. Also available are emission computers/data loggers, and iso-kinetic stack sampling systems for particulate concentration measurement and environmental sensors for motorway and tunnel use.

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Tel: 01242 233330
Fax: 01242 242353
Email:
100431,1655@compuserve.com

ETI Group Limited was established in 1991 to provide environmental protection and control professionals with advanced technology products of intrinsically reliable design in order for customers to meet their environmental needs in concurrence with prevailing legislation. ETI will work with partners to develop innovative systems and specific integral computer programmes.

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Tel: 01746 765361
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Manufacturers and suppliers of oil-mist, smoke, fume and dust elimination equipment for metal cutting and general engineering workshops. Distributor of all types of filtration media including filter rolls, cartridges and bags plus air operated factory clean-up equipment for metal chips and liquid transfer.

GENERAL COMBUSTION LTD

Brookers Road
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West Sussex RH14 9RZ
Tel: 01403 782091
Fax: 01403 782087

General Combustion Limited offer a range of Thermal and Catalytic Oxidisers for the control of VOCs and odours. With some 30 years experience in the field of combustion we are well-placed to recommend cost-effective solutions to deal with emissions to air.

GOLDEN RIVER TRAFFIC

Churchill Road
Bicester
Oxon OX6 7XT
Tel: +44 (0)1869 240400
Fax: +44 (0)1869 246858
Email: mdalgleish@iee.org

Manufacturers of a traffic pollution monitor that measures the level of carbon monoxide at the roadside at

the same time as logging the levels of traffic volume. In this way, pollution hot spots can be continuously monitored and the relationship between traffic volume and pollution levels better understood.

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River House
97 Cray Avenue
St Mary Cray
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Kent BR5 4AA
Tel: 01689 877767
Fax: 01689 876661

Manufacturers of a range of ambient and stack monitoring instruments for particulates, VOCs, dioxins, PCBs, PAHs, ammonia, chlorides and heavy metals. Also manufactured in the UK the AndersenTM range of particle sizing impactors. Remote Emissions Sensors (RES) for vehicle tailpipe emissions measurements of CO, CO₂, HCs and NOx.

HADEN DRYSYS ENVIRONMENTAL

Swan Office Centre
1506-1508 Coventry Road
Yardley
Birmingham B25 8AD
Tel: 0121 765 4040
Fax: 0121 706 6865
Telex: 336644 HADDRY G

We specialise in air pollution control and in particular in VOC abatement and odour control. Our solutions are based upon our range of recuperative, regenerative and catalytic oxidisers and are designed to minimise

operating costs. We offer a complete range of services from initial investigation, through turnkey supply and installation to servicing and after care.

HALCROW FOX

Vineyard House
44 Brook Green
Hammersmith
London W6 7BY
Tel: 0171 603 1618
Fax: 0171 603 5783
Email: sally.godfrey@halfox.com

Halcrow Fox is a multi-disciplinary consultancy whose services include environmental assessment studies throughout the world. Specialist skills include the measurement, assessment and control of noise and vibration, the development of computer modelling techniques, air quality services, pollution dispersion modelling, the preparation of environmental statements and provision of expert evidence.

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Summerhouse Road
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Tel: 01604 671166
Fax: 01604 671080

HORIBA's commitment to research and development has resulted in the introduction of the most advanced Air Quality Analysers to date. The AP-360 Series of analysers are compact, easy to maintain and will give years of unrivalled performance for their users. They have been evaluated by NETCEN and meet criteria laid down by the AUN.

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Walton House
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Staines
Middx TW18 4XB
Tel: 01784 456251
Fax: 01784 463303
Telex: 25518

Industrial Acoustics Company (IAC) is Europe's largest manufacturer of noise control equipment. Products include machinery enclosures, acoustic barriers, sound absorptive wall linings, air/gas intake and exhaust silencers and aero-engine test cells. All of the company's products are tested and certified in accordance with recognised international standards. The company is also ISO 9001 registered.

KANE INTERNATIONAL LTD

Kane House
Swallowfield
Welwyn Garden City
Herts AL7 1JG
Tel: 01707 375550
Fax: 01707 393277

Kane International manufacture and design energy management products; combustion analysers, electricity consumption monitors and multimeters. Harmful gases measured are CO, SO₂, NO and NO₂.

LODGE STURTEVANT LTD

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Birmingham B3 1QQ
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Fax: 0121 200 2555

LSL offer a complete range of gas cleaning equipment from a single

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MANNINGS LTD

Units 1-5 Russell Road
Southport
Merseyside PR9 7RJ
Tel: 01704 538202
Fax: 01704 545898
Telex: 317210

Independent range of services for air pollution control including: stack emission monitoring for EPA compliance on Part 'B' processes; stack height surveys and calculations in line with HMIP technical guidance note DI; COSHH assessments for dust control plant; hire, repair and calibration of personal and fixed head gas detectors in confined spaces and hazardous areas.

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Email:
PAD@mochlmhs.mhs.compuserve.com

Multi-disciplinary scientific and engineering consultancy undertaking a wide range of air pollution modelling and monitoring in the UK and overseas. Recent air quality projects have included power stations, incinerators, road traffic, sewage works, crematoria and dust from quarries and construction sites. Clients include major companies, government departments, local authorities and residents' associations.

NEGRETTI AUTOMATION LTD

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Fax: 01296 331671
Telex: 83285 NEGZAM G

Negretti Automation provides a comprehensive range of samplers for particulates and gases. These range from 0.5 litres per minute personal air samplers to 100 litres per minute high volume samplers. We also supply a range of Iso-Kinetic stack samplers which comply with BS3405, 6069 and EPA Method 5.

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High Darkdale House
Slaggyford
Carlisle CA6 7NW
Tel: 01434 381394
Fax: 01434 382634

Nationwide consultants and specialists in noise, sound, acoustics and vibration. Services offered include environmental assessment, noise surveys, planning applications, expert evidence, building acoustics, mitigating measures.

PARSONS ENGINEERING

Leamore Lane
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West Midlands WS2 7EB
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Fax: 01922 495991

All forms of gas scrubbing plant, VOC abatement and odour control equipment especially sulphur dioxide. Products include packed towers, venturi scrubbers, multi-stage spray scrubbers, carbon adsorption systems and incineration. Full turnkey, design and manufacturing facilities available in house. We also manufacture tanks, fans, silencers and associated extract ductwork.

PCME LTD

Stonehill
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Tel: 01480 455611
Fax: 01480 413500

PCME Ltd, a UK based instrumentation manufacturer, provides process industry throughout the world with practical and effective

methods of continuous particulate emissions monitoring, using unique TriboACE™ technology. Having attained TA LUFT accreditation, PCME specialise in the monitoring of emissions from bagfilters as well as traditional combustion stacks, satisfying the Environmental Protection Act (1990). For further information contact William Averdieck.

PLATON INSTRUMENTATION

Jays Close

Viabes

Basingstoke RG22 4BS

Tel: 01256 470456

Fax: 01256 63345

Platon manufacture stack and duct flow measurement systems, from simple averaging pitot tubes to sophisticated sensor arrays, complete with sampling nozzles and sample extraction systems for the highest integrity monitoring. Typical systems installed have been in the nuclear and power industry. Platon FLOWBITS offers off the shelf process instrumentation supply.

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Hunmanby

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Fax: 01723 891742

Email:

100012.3045@compuserve.com

Manufacturer of sound measuring equipment.

QUANTITECH LTD

Unit 3

Old Wolverton Road

Old Wolverton

Milton Keynes MK12 5NP

Tel: 01908 227722

Fax: 01908 227733

Sales and after sales service of environmental monitoring equipment for VOC emissions, COSHH and EPA compliance. Sound and vibration monitors. Rental of equipment from our environmental division. Exclusive distributors for Foxboro, Gilian, Dasibi, Grimm Labortechnik, ETG Inc, Industrial Scientific Corporation, Bernath Atomic, Rion of Japan, EPM, Unisearch.

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Shawbury

Shropshire SY4 4NR

Tel: 01939 250383

Fax: 01939 251118

RAPRA is the leading European consultancy specialising in all aspects of rubber and plastics. Its environmental technology group provides services for all industry sectors including chemical analysis, atmospheric monitoring, environmental management systems and research and development.

ROSOW TECHNICAL LTD (SIGRIST)

1 Pembroke Avenue

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Tel: 01223 860595

Fax: 01223 861819

Rosow Technical supply a range of light based monitoring equipment for

evaluation of particulates in Stacks/Ducts. We also supply Smoke Monitors, and Oil-in-Water detectors. All of the equipment is designed for On-Line use. Please call us for further information.

ROTORK ANALYSIS LTD

Regal Way
Faringdon
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Tel: 01367 242660
Fax: 01367 242700

Rotork Analysis Limited offers complete systems for air quality and continuous emission monitoring using the latest state of the art computer controlled systems. Rotork Analysis Limited is a wholly owned subsidiary of Rotork plc and provides installation, commissioning, extended warranties, maintenance contracts and training programmes offering a first class service.

RPS THOMSON

The Stocks
Cosgrove
Milton Keynes MK19 7JD
Tel: 01908 562925
Fax: 01908 561512

RPS Thomson Ltd provides consultancy, monitoring and analysis services related to the environment and the workplace. RPS Thomson employs professional, qualified staff with expertise in a range of environmental and other disciplines. Our chemical and asbestos analytical laboratories have NAMAS accreditation for the full range of analyses that we typically undertake.

SEVERN SCIENCE LTD

4/5 Short Way
Thornbury Industrial Estate
Thornbury
Bristol BS12 2UL
Tel: 01454 14723
Fax: 01454 417101

The company manufactures instruments for measuring chemically reactive gases emitted from a range of industrial processes. These include continuous monitors for hydrogen chloride, hydrogen fluoride, sulphur trioxide and ammonia. A measurement and hire service is also provided for emission audits and a leak detection and residual gas analysis service.

SKC LTD

Unit 11
Sunrise Park
Higher Shaftsbury Road
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Dorset DT11 8ST
Tel: 01258 480188
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SKC has manufactured air sampling equipment for over 30 years. Used for occupational health and environmental needs, it is in common use world wide to sample for practically any airborne health hazard including DUSTS, GASES and VAPOURS. As the original producer of the only NIOSH approved charcoal sorbent tube, our range of equipment includes various sampling pumps, sampling heads, passive badges, plus all the required accessories.

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Fax: 01597 824812
Email: skye.instruments@almac.co.uk

Design and manufacture precision sensors and dataloggers for environmental monitoring. Includes the minimet weather station, datahog loggers, sensors for relative humidity, temperature, light, UV radiation, pressure, wind, rain, soil moisture tensiometers, plant moisture potential, leaf and root length image analysis systems and ultrasonic bat detectors.

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Herts CM22 6PU
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Fax: 01279 870377
Telex: 817126

Solomat manufacture and supply a comprehensive range of air measurement and water quality monitoring instrumentation. The main areas of expertise cover: Air – process control, energy management, heating and ventilating, indoor air quality and storage and transportation. Water – water quality surveys, permit verification and water treatment monitoring.

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Air pollution monitoring instrumentation. Analysers for ozone, carbon dioxide, sulphur dioxide, oxides of nitrogen, carbon monoxide and hydrocarbons are available. Mobile or static, integrated air quality systems with central microprocessor control and calibration may be custom built.

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Largest and most comprehensive centre for the study of transport in the UK. Provides research-based consultancy advice which enables its customers to set standards for highway and vehicle design and formulate policies on road safety, transport and the environment. Capabilities in EA include noise, air, water, soil and ecology.

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Manufacturers and suppliers of
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filtration equipment for the collection of welding smoke and oil mist etc. within the factory workplace. Also DUST-HOG™ Dust Collection Systems for extracting grinding/sanding dust and SMOKEETER® Air Cleaners for the collection of tobacco smoke in the indoor working and leisure environment.

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VALENTIN, DR F H H

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Tel: 01462 684940
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Environmental pollution, particularly odours, fumes, dusts and effluents; ventilation and factory safety and health matters; pollution and waste minimisation; design and engineering of pollution abatement plant, particularly odour and VOC control; legal and expert witness work (Fellow of the Academy of Experts); environmental audits (Registered

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Wimpey Environmental is recognised as one of the United Kingdom's leading environmental consultants. Drawing on considerable experience in environmental problem solving, a diversity of expertise and the latest measurement technology, the company has the ability to provide practical solutions designed to benefit both business and the environment.

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Independent multi-discipline engineering consultancy offering comprehensive civil, structural, mechanical, electrical, process, instrumentation, energy and environmental engineering services and project management. Environmental services include environmental assessment, auditing, economics and policy, acoustics/noise control, air pollution, water pollution, contaminated land, waste management, effluent treatment, incineration, mineral working restoration, health and safety.

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Clayton Environmental Consultants
Ltd
White Young
Wimpey Environmental Ltd

**CONTAMINATED LAND
SURVEYS**

Acer Environmental
Babtie Group
Clayton Environmental Consultants
Ltd
Transport Research Laboratory (TRL)
White Young
Wimpey Environmental Ltd

CONVEYORS (DUST) SCREW

Dowson Handling

**COSHH & CHIP 2(96)
SOFTWARE**

Environmental Science Ltd

COSHH ASSESSMENT

Aspen Environmental
Casella Ltd
Clayton Environmental Consultants
Ltd
Croskery Environmental
Environmental Science Ltd
Mannings Ltd
RAPRA Technology Ltd
RPS Thomson

CYCLONES

F E Beaumont Ltd

DATA LOGGING EQUIPMENT

Cirrus Research plc
Erwin Sick Optic Electronic Ltd
Skye Instruments Ltd

DEHUMIDIFIERS

Air Improvement Centre Ltd

DETECTION & MONITORING

CRE Group Ltd
RPS Thomson

**DETECTION & MONITORING:
DUST**

Dowson Handling
Erwin Sick Optic Electronic Ltd
ETI Group Ltd
Graseby Andersen Ltd
Mannings Ltd
PCME Ltd
SKC Ltd

**DETECTION & MONITORING:
EXPLOSIVE GASES**

Mannings Ltd

**DETECTION & MONITORING:
SMOKE**

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Mannings Ltd
PCME Ltd

**DETECTION & MONITORING:
SO₂**

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Horiba Instruments Ltd
Kane International Ltd
Mannings Ltd
Thermo Electron Ltd

**DETECTION & MONITORING:
TOXIC GASES**

Mannings Ltd

**DETECTION & MONITORING:
VOCS**

Graseby Andersen Ltd
Mannings Ltd
Quantitech Ltd
Rotork Analysis Ltd
Thermo Electron Ltd

**DIOXIN SAMPLING
EQUIPMENT**

Graseby Andersen Ltd

DUCTING

F E Beaumont Ltd
Ferguson & Timpson Ltd

**DUST COLLECTION
EQUIPMENT**

Airmaster Engineering Ltd
Ambuco Process Equipment Ltd
DCE Ltd
Lodge Sturtevant Ltd
United Air Specialists (UK) Ltd

DUST EXTRACTION

Airmaster Engineering Ltd

**DUST MONITORING
EQUIPMENT**

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Enviro Technology Services plc
Erwin Sick Optic Electronic Ltd
ETI Group Ltd
Graseby Andersen Ltd

PCME Ltd
Quantitech Ltd
Rosow Technical Ltd (Sigrist)

DUST SAMPLING EQUIPMENT

Bristol Industrial & Research
Associates Ltd (BIRAL)
Charles Austen Pumps Ltd
Erwin Sick Optic Electronic Ltd
ETI Group Ltd
Graseby Andersen Ltd
SKC Ltd

**DUST SUPPRESSION
EQUIPMENT**

Airmaster Engineering Ltd

**ELECTROSTATIC
PRECIPITATORS**

Lodge Sturtevant Ltd
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**ELECTROSTATIC UNIT AIR
CLEANERS**

United Air Specialists (UK) Ltd
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**EMISSIONS DATABASE
SOFTWARE**

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**ENVIRONMENTAL
ASSESSMENT**

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Organisation Ltd (AIRO)
Air Quality Consultants Ltd
Clayton Environmental Consultants
Ltd
CRE Group Ltd
Croskery Environmental
Halcrow Fox
Mannings Ltd
Transport Research Laboratory (TRL)
White Young
Wimpey Environmental Ltd

ENVIRONMENTAL AUDIT

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Ltd

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Croskery Environmental

RPS Thomson

Valentin, Dr F H H

Wimpey Environmental Ltd

**ENVIRONMENTAL DATA
ACQUISITION**

Golden River Traffic

Solomat Ltd

Thermo Electron Ltd

**ENVIRONMENTAL DATA
ANALYSIS**

Air Quality Consultants Ltd

**ENVIRONMENTAL
MANAGEMENT**

Clayton Environmental Consultants
Ltd

Croskery Environmental

**ENVIRONMENTAL RISK
MANAGEMENT**

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RPS Thomson

**ENVIRONMENTAL TEST
CHAMBERS**

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Organisation Ltd (AIRO)

EXPERT WITNESS

Aspen Environmental

**EXPERT WITNESS: AIR
POLLUTION**

Valentin, Dr F H H

FABRIC FILTERS

DCE Ltd

Lodge Sturtevant Ltd

FANS AND BLOWERS

Parsons Engineering

FILTERS: AIR

Bassaire Ltd

Filtermist International plc

Universal Filters Ltd

FILTERS: DUST

Airmaster Engineering Ltd

DCE Ltd

Filtermist International plc

FILTERS: OIL MIST

Filtermist International plc

FILTRATION EQUIPMENT

Filtermist International plc

Universal Filters Ltd

**FLUE DUST EXTRACTION
PLANT**

DCE Ltd

**FLUE GAS DUST MONITORING
DEVICE**

Negretti Automation Ltd

PCME Ltd

Rosow Technical Ltd (Sigrist)

**FLUE GAS DUST SAMPLING
EQUIPMENT**

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FLUE GAS TREATMENT

Lodge Sturtevant Ltd

Parsons Engineering

FLUIDISED BED SYSTEMS

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FUME REMOVAL EQUIPMENT

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Parsons Engineering

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Parsons Engineering

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Quantitech Ltd

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WASHERS**

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Air Improvement Centre Ltd

HUMIDITY RECORDERS

Air Improvement Centre Ltd
Skye Instruments Ltd

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PCME Ltd
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Cirrus Research plc
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MONITORS**

Solomat Ltd

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METERS, ETC**

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Platon Instrumentation

INSULATION: ACOUSTICS

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**KITS: ANALYSIS, TESTING AND
SAMPLING**

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CABINETS**

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INSTALLATIONS**

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Skye Instruments Ltd

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Enviro Technology Services plc
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NOISE CONTROL MATERIALS

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Services

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SOFTWARE**

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Services

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Acoustical Investigation & Research
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Bruel & Kjaer
Castle Group Ltd
CEL Instruments Ltd
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**NOISE/VIBRATION: CONTROL
SYSTEMS**

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Noise Insulation & Measurement
Services
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**NOISE/VIBRATION:
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Acoustic Technology Ltd
Alfred Peters plc
Bruel & Kjaer
Castle Group Ltd
CEL Instruments Ltd
Cirrus Research plc
Clayton Environmental Consultants
Ltd
Noise Insulation & Measurement
Services
Pulsar Instruments Ltd
Quantitech Ltd
Transport Research Laboratory (TRL)

**NOISE/VIBRATION:
PROTECTIVE DEVICES**

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ODOUR ABSORPTION

Parsons Engineering
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ODOUR ASSESSMENT

Valentin, Dr F H H

ODOUR CONTROL

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Haden Drysys Environmental
Parsons Engineering
Valentin, Dr F H H

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Quantitech Ltd
Rosow Technical Ltd (Sigrist)

OIL MIST ELIMINATORS

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OZONE MONITORS

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FACILITIES**

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**PARTICLE SIZING
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**POLLUTION CONTROL
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**POLLUTION MONITORING
EQUIPMENT**

Golden River Traffic

**POLLUTION MONITORING:
EQUIPMENT HIRE**

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ETI Group Ltd

Quantitech Ltd

Thermo Electron Ltd

PROCESS INSTRUMENTATION

Platon Instrumentation

PUMPS

Charles Austen Pumps Ltd

Platon Instrumentation

**REMOTE TRAFFIC EMISSIONS
SENSORS**

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**RESEARCH AND
DEVELOPMENT FACILITIES**

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Organisation Ltd (AIRO)

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Transport Research Laboratory (TRL)

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Lodge Sturtevant Ltd

Parsons Engineering

SILENCERS

Industrial Acoustics Company Ltd

Parsons Engineering

SITE INVESTIGATION

CRE Group Ltd

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SOLVENT RECOVERY PLANT

Platon Instrumentation

SPECTROMETERS

Thermo Electron Ltd

**STACK EMISSIONS:
MONITORING**

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Services Ltd

CRE Group Ltd

Mannings Ltd

RAPRA Technology Ltd

Rosow Technical Ltd (Sigrist)

RPS Thomson

Severn Science Ltd

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MONITORING EQUIPMENT**

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Associates Ltd (BIRAL)

Enviro Technology Services plc

Erwin Sick Optic Electronic Ltd

ETI Group Ltd

Graseby Andersen Ltd

Horiba Instruments Ltd

Platon Instrumentation

Quantitech Ltd

Rotork Analysis Ltd

Severn Science Ltd

Thermo Electron Ltd

**STACK EMISSIONS: SAMPLING
SERVICE**

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BCRA Scientific & Technical
Services Ltd

Clayton Environmental Consultants
Ltd

CRE Group Ltd

Erwin Sick Optic Electronic Ltd
Mannings Ltd
Negretti Automation Ltd

**STACK FLOW MEASUREMENT
AND SAMPLING**

Platon Instrumentation

**SULPHUR DIOXIDE REMOVAL
SYSTEMS**

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THERMAL OXIDISERS

Haden Drysys Environmental

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INDICATORS, ETC**

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TOWERS

Parsons Engineering

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MONITORS**

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Golden River Traffic
Horiba Instruments Ltd

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TURBIDIMETERS

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UNIT DUST COLLECTORS

United Air Specialists (UK) Ltd

**VACUUM PUMPS AND
EQUIPMENT**

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Severn Science Ltd

VENTURI SCRUBBERS

Ambuco Process Equipment Ltd
Parsons Engineering

VOC ABATEMENT PLANT

Ambuco Process Equipment Ltd
Born Environmental Ltd
Coates Harden Ltd
General Combustion Ltd
Haden Drysys Environmental
Parsons Engineering
Valentin, Dr F H H

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General Combustion Ltd

WATER QUALITY MONITOR

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In recent years, the issue of air pollution has moved rapidly up the political agenda and it is now regarded as a serious problem which the Government needs to tackle.

As a result of this, the Clean Air Through Oxygen campaign (CATO) was launched in the UK in October 1994.

The campaign seeks to promote the use of oxygenated petrol - a cleaner fuel which significantly reduces emissions of carbon monoxide, hydrocarbons and benzene, a known human carcinogen. This leads to an overall reduction in ground level ozone production. It is already widely used in the United States, as part of a series of measures designed to clean up the environment, and many areas, including California and Colorado, have seen dramatic reductions in air pollution since its introduction.

Many European countries recognise the benefits of oxygenated petrol and in Finland, where virtually all petrol is of this type, it has brought forward air quality by five years. In Austria, a cleaner, oxygenated petrol was used in Vienna last summer to combat ozone pollution and in Italy, petrol with a 1% maximum benzene content has been available since December 1995. In Sweden, tax incentives have been introduced for cleaner fuels, and this is under consideration in Germany, where a petrol quality similar to Finland has been proposed, i.e. 1% benzene, 25-30% aromatics, 100ppm sulphur and a reduction in RVP.



Oxygenated petrol is an inexpensive method of reducing traffic pollution and the extra cost would be approximately 1% of pump price, i.e. 0.5 pence per litre. The US EPA has described their programme as the most important environmental fuels programme since lead was banned. In the US it has reduced smog-producing emissions by more than 300,000 tons per year, a 15% drop which is equivalent to taking more than eight million cars off the road. Both leaded and unleaded vehicles can run on oxygenated petrol without any adjustments and it could be introduced immediately with considerable environmental benefits.

**If you would like further information on oxygenated petrol please contact either Sophie Roberts or Nick Bent at 24-28 Bloomsbury Way, London, WC1A 2PX
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- transportation control measures: what will work?

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Monday 21 - Thursday 24 October 1996 - Brighton

The annual meeting of UK environmental protection specialists has the theme of sustainable choices. Issues include sustainability indicators, transport policy, education and youth, energy and waste management, industrial pollution control, and environmental air quality management.

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